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ABSTRACT

Since 1967 the Educational Resources Information Center (ERIC) Clearinghouses have produced a total of 1,514 information analysis products--bibliographies, literature reviews, state-of-the-art papers, evaluative summaries, and other special reports. This volume is a five-year cumulation of citations and abstracts of these ERIC Clearinghouses' products. Included is a main entry section, a subject index, and an author index. The following information is provided for each entry: author, title, series name and number, journal reference, date of publication, number of pages, type of publication, ERIC document (ED) number, date of appearance in "Research in Education" (RIE), price, descriptors used to index the document, and a brief abstract. Also included in this publication are: (1) a list of the ERIC Clearinghouses including address, telephone number and scope note and (2) an ERIC Bibliography of selected references concerning the ERIC system. (Yearly volumes of "ERIC Products" are available as ED 029 161, 034 089, 041 598, 054 287, and LI 004 339.) (SJ)

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ERIC

Information Analysis Products

1967-1972

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ERIC

Information Analysis Products

1967-1972

Edited by
J. I. SMITH AND MARY F. McCORD
Eric Clearinghouse on Library and Information Sciences
American Society for Information Science

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ERIC AND INFORMATION ANALYSIS

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The Educational Resources Information Center (ERIC) has established a firm reputation as the largest and most widely accepted computer-based educational information service in the world. ERIC is a nationwide system established to serve the field of education through the dissemination of information on educational resources and research materials.

The total system functions on both a decentralized and centralized basis, and consists of the following components:

(1) The management group within the National Institute of Education, called ERIC Central;

(2) A network of Clearinghouses, each with its own subject area of responsibility;

(3) A central document processing and reference facility (currently operated by Leasco Systems and Research);

(4) A central source for obtaining copies of documents in microfiche and hard copy called the ERIC Document Reproduction Service (EDRS) (currently operated by Leasco Information Products);

(5) A centralized contractual endeavor to produce an index of the journal literature in education (currently operated by CCM Information Corp.).

The role of the ERIC Clearinghouses centers about three major functions:

(1) To act as catalysts, focal points, and agents for the acquisition, document processing (cataloging, abstracting, and indexing), announcement, and dissemination of fugitive reports and journal literature;

(2) To serve as information service centers which handle an increasing number of inquiries and serve as referral, or switching centers, to existing sources of information;

(3) To be information analysis centers which identify burning issues of current need within a scope of coverage, and respond to these by the synthesis and analysis of information from the past and current literature.[1]

Each of the Clearinghouses in the network performs similar functions within its particular subject area. These functions include:

(1) Identification and acquisition of the so-called "fugitive" reports, papers, speeches, etc., which are not published through commercial channels, and the identification of core journal articles, within its subject field;

(2) Evaluation of the documents received;

(3) Cataloging;

(4) Abstracting and indexing;

(5) Forwarding the document resume forms (which contain the cataloging information, indexing terms, and abstracts) to the central document processing facility, along with a copy of the document itself;

(6) Sending journal article resumes to the contractor for production of the journal index.

The Clearinghouses retain hard copies of each document received for their own library collections, and also maintain complete files of microfiche of all the documents which have been processed by the central document reproduction service. These activities provide each Clearinghouse with a fairly extensive bibliographical base of fugitive document literature.

The document resume forms, which are forwarded to the central processing facility by the Clearinghouses, are put into machine-readable form by the facility and the resultant tape is used to produce a monthly abstract publication called *Research in Education* (RIE). The journal resumes are also put into machine-readable form, for production of the monthly journal index called *Current Index to Journals in Education* (CIJE). Each Clearinghouse automatically receives copies of each of the two monthly publications for ready reference use. The input tapes for both of these publications, which are updated on a quarterly basis, provide machine searching and retrieval capabilities.

Building a data base of the document and journal literature in the field of education is a part of the mission of the ERIC system. This data base, along with the broad announcement and document availability service provided by the system, makes ERIC a complete information system, unique in the field of education.

The Clearinghouses work independently with their respective user communities in the way that best meets the needs of those communities and, at the same time, conform to rules and guidelines established by the National Institute of Education for processing documents to meet system standardization requirements. The Clearinghouses then feed the processed information into the central document and journal article processing contractors for the production of the magnetic tapes from which the two monthly announcement publications mentioned earlier are produced. The tapes themselves are made available for machine searching by system users and may be purchased from the central processing facility.

INFORMATION ANALYSIS

In view of the massive and overwhelming accumulation of the literature, the need for quality filters in information systems has become increasingly apparent.[2] The information crisis is due not only to quantitative increases in the literature but also to unmet qualitative requirements. More effective utilization of the mass of available information in relation to technical and social goals necessitates selection, compaction, integration, and synthesis of

literature. The major problem faced at the present time is not the manipulation or transmission of information, but rather its quality and use. Great importance must be attached to the consolidation and intellectual reworking of primary information. This process, called information analysis, can be a potent and effective instrument in the evaluation, condensation, interpretation, synthesis, and application of vast bodies of information.[3]

The process of analyzing the literature received much attention nearly ten years ago when the Weinberg Report[4] pointed out that "the transfer of information is an inseparable part of research and development." It also noted that "we shall cope with the information explosion in the long run only if some scientists and engineers are prepared to commit themselves deeply to the job of sifting, retrieving, and synthesizing information." This process of correlating and systematizing many disparate pieces of information was compared by the Weinberg Panel with the inductive method in science. "Successful inductions all share the same pattern: the data is amassed, some one worries very hard and long about it, and, with luck, discovers the regularities." In times past, the amount of data was so small that it was possible for "the same person or a small group of persons to be bench scientist, amasser of data, correlator of data, and inventor of new syntheses." At the present time, considering the plethora of new facts, data, and observations, "a division of labor between those who create or discover the facts and those who sift, absorb, and correlate the facts seems to be inevitable."

Great importance must be attached to the consolidation or intellectual reworking of primary information gleaned from published literature, laboratory data, and other sources. Cranefield[5] argues that: "the matter of science can be passed through the informed and critical intellect and, when it is, we gain not only synthesis and new insights but also recognition and selection of those publications which deserve serious attention. Such criticism is the *sine qua non* of a literature of science as distinguished from scientific information." Unfortunately, the cost of such creative synthesis is very high. The SATCOM Report[6] notes that: "the selection of material to be included, its assimilation and interpretation (and evaluation if the review is a critical one), and finally its organization into a meaningful and useful article, are time-consuming and arduous tasks." One estimate[7] places the cost at $100 per professional paper evaluated. To facilitate the production of reviews and compilations, a further division of labor between those who gather the material to be reviewed and those who perform the creative and evaluative judgment might be desirable. This suggests a very useful supportive task for the librarian in relation to information analysis.

The mechanism suggested by the Weinberg Report for furthering the essential process of inductive consolidation is the information analysis center:

> The activities of the most successful (information analysis) centers are an intrinsic part of science and technology. The centers not only disseminate and retrieve information, they create new information. . . . The process of sifting through large masses of data often leads to new generalizations. . . . In short, knowledgeable scientific interpreters who can collect relevant data, review a field, and distill information in a manner that goes to the heart of a technical situation are more help to the over-burdened specialist than a mere pile of relevant documents. Such knowledgeable scientific middlemen who themselves contribute to science are the backbone of the information (analysis) center; they make an information center a technical institute rather than a technical library.[8]

The information analysis function of the ERIC Clearinghouses was adapted from the scientific information system model as well as system design.[9] The growth and size of the ERIC system demonstrates that there is no paucity of information in the educational field. The total number of references in the data base as of November 1972 stands at 119,996 including both journal and report literature, and growing at a rate of approximately 2,500 new references per month. This massive accumulation of information brings about the need for quality filters, distillation, and interpretation of the literature into coherent and comprehensible packages.

The ERIC Clearinghouses are listed in the *Directory of Federally Supported Information Analysis Centers* which reports some 119 centers as being information analysis centers with the following definition:

> An information analysis center is a formally structured organizational unit specifically (but not necessarily exclusively) established for the purpose of acquiring, selecting, storing, retrieving, evaluating, analyzing, and synthesizing a body of information and/or data in a clearly defined field or pertaining to a special mission with the intent of compiling, digesting, repackaging, or otherwise organizing and presenting pertinent information and/or data in a form most authoritative, timely, and useful to a society of peers and management.[10]

ERIC PRODUCTS

Since 1967 the ERIC Clearinghouses have produced a total of 1,514 information analysis products – bibliographies, literature reviews, state-of-the-art papers, evaluative summaries, and other special reports. This is probably an astonishing amount to those who are unfamiliar with the fact that ERIC has been involved in information analysis for this length of time. (See the statistical summary of ERIC Products 1967-72.)

STATISTICAL SUMMARY

	Type of Publication													
	Abstract Journal	Annotated Bibliography	Bibliography	Conference Report	Directory	Journal Article	Literature Review	Monograph	Paper	Report	Serial	State-of-the-Art Review	Other	TOTALS
Adult Education (AC)	–	48	–	1	–	20	29	–	–	–	–	1	9	108
Linguistics (AL)	–	–	5	–	–	–	4	2	8	1	–	8	3	31
Counseling and Personnel Services (CG)	3	28	–	2	1	2	17	–	1	5	7	–	4	70
Educational Management (EA)	–	6	42	1	1	1	17	–	–	–	–	12	2	82
Exceptional Children (EC)	7	54	20	8	1	74	21	2	3	–	1	–	31	222
Educational Media and Technology (EM)	–	18	–	–	–	3	9	3	–	1	–	7	7	48
Teaching of Foreign Languages (FL)	–	4	20	1	1	2	26	2	11	–	–	2	26	95
Higher Education (HE)	–	–	2	–	–	6	13	–	13	6	–	4	1	45
Junior Colleges (JC)	–	1	3	–	1	12	46	5	23	–	–	–	14	105
Library and Information Sciences (LI)	–	4	3	2	5	3	6	2	–	1	–	2	4	32
Early Childhood Education (PS)	–	26	3	–	–	4	5	–	11	–	–	–	15	64
Rural Education and Small Schools (RC)	–	13	3	–	–	3	19	2	4	5	–	13	9	71
Reading (RE)	–	39	4	–	–	2	2	2	1	–	–	3	10	63
Science and Mathematics Education (SE)	3	6	43	4	–	5	13	–	10	4	–	–	3	91
Social Science Education (SO)	–	3	–	–	–	–	–	1	6	–	1	2	3	16
Teacher Education (SP)	–	22	2	2	1	–	1	6	8	2	–	3	25	72
Teaching of English (TE)	–	36	6	–	–	19	16	4	–	–	–	6	5	92
Tests, Measurement and Evaluation (TM)	–	2	2	5	–	–	–	–	3	1	–	–	–	13
Disadvantaged (UD)	–	16	2	–	2	1	16	1	4	3	–	9	–	54
Vocational and Technical Education (VT)	19	3	15	–	–	10	17	–	8	1	–	36	31	140
TOTALS	32	329	175	26	14	167	278	32	114	30	9	108	202	1514

It is not enough, however, to produce these valuable products without an active and effective program informing educators as to the use and availability. To this end, one must make it easy for the user to find the review material at the time when it is needed and this material must be organized for quick and efficient use.

The ERIC Clearinghouse on Library and Information Sciences (ERIC/CLIS) has compiled an annual bibliography of ERIC products since 1967. *ERIC Information Analysis Products 1967-1972* is a five-year cumulation of citations and abstracts of those publications which reflect information analysis activities produced by the network of ERIC Clearinghouses. It is a significant step toward user education and accessibility. Included are all the bibliographies, review papers, state-of-the-art papers, and other special reports, directories, and evaluative summaries. All data were gathered by ERIC/CLIS staff.

Information Analysis Products 1967-1972 includes a main entry section, a subject index, and an author index. The main entry section is arranged by a product code number. The first two digits of this code number refer to the fiscal year (July 1 through June 30) during which the product was made available from ERIC. Within each yearly range of product numbers, the entries are sorted by clearinghouse acronym. These acronyms include:

Clearinghouse		*Clearinghouse*	
AA	ERIC Facility	LI	Library and Information Sciences
AC	Adult Education	PS	Early Childhood Education
AL	Applied Linguistics	RC	Rural Education and Small Schools
CG	Counseling and Personnel Services	RE	Reading
CS	Reading and Communication Skills	SE	Science, Mathematics and Environmental Education
EA	Educational Management	SO	Social Studies/Social Science Education
EC	Exceptional Children	SP	Teacher Education
EF	Educational Facilities	TE	Teaching of English
EM	Educational Media and Technology	TM	Tests, Measurement and Evaluation
FL	Languages and Linguistics	UD	Disadvantaged
HE	Higher Education	VT	Vocational and Technical Education
JC	Junior Colleges		

Within each main entry, the following items of information, as appropriate and in the form supplied by the individual clearinghouses, are included:

1. Personal author(s)
2. Title
3. Series name and number
4. Journal reference
5. Date of publication, if not already included in a journal reference
6. Number of pages

7. Type of publication, e.g., Bibliography, Review Paper, etc.

8. ERIC (ED) number or clearinghouse accession number if the document has not yet appeared in *Research in Education*

9. Date of appearance of abstract in *Research in Education*

10. Price of document, in either microfiche (MF) or hard copy (HC) format

11. Descriptors

12. A brief abstract

The full text of about 75 percent of the documents cited in this bibliography is available in two forms: microfiche (MF) – a 4" x 6" sheet of microfilm, on which up to 98 pages of text are reproduced, and hard copy (HC) – a reproduction of the document on paper at the original size. Either may be ordered from the ERIC Document Reproduction Service (EDRS). In most cases, if the document is not available from EDRS, an alternate availability is given with the citation. For those documents available from EDRS, whether in microfiche or hard copy form, the following requirements apply:

1. All items must be ordered by ED number.
2. Book rate or library rate postage is included in the prices. The difference between book or library rate and first class or foreign postage (outside the continental United States) rate will be billed at cost.
3. Payments must accompany orders under $10.00
4. All orders must be in writing; no phone orders are accepted.

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ERIC CLEARINGHOUSES

ADULT EDUCATION. Syracuse University, 107 Roney Lane, Syracuse, N.Y. 13210. Tel: (315) 476-5541, ext. 3493.

Adult education in public schools, colleges, and universities; activities carried on by national or community voluntary and service agencies; all areas of in-service training; fundamental and literary education for adults; correspondence study; continuing education in the professions.

Counseling and Personnel Services. Information Center, 611 Church Street, Room 3056, Ann Arbor, Michigan 48104. Tel: (313) 764-9492.

Preparation, practice, and supervision of counselors at all educational levels and in all settings; theoretical development of counseling and guidance; use and results of personnel procedures such as testing, interviewing, disseminating, and analyzing such information; group work and case work; nature of pupil, student, and adult characteristics; personnel workers and their relation to career planning, family consultations, and student orientation activities.

Disadvantaged. Information Retrieval Center on the Disadvantaged, Teachers College, Columbia University, Box 40, 525 West 120 Street, New York, N.Y. 10027. Tel: (212) 870-4808

Effects of disadvantaged experiences and environment, from birth onward; academic, intellectual, and social performance of disadvantaged children and youth from grade 3 through college entrance; programs and practices which provide learning experiences designed to compensate for special problems of disadvantaged; issues, programs, and practices related to economic and ethnic discrimination, segregation, desegregation, and integration in education; issues, programs, and materials related to redressing the curriculum imbalance in the treatment of ethnic minority groups.

Early Childhood Education. University of Illinois, 805 W. Pennsylvania Avenue, Urbana, Ill. 61801. Tel: (217) 333-1386.

Prenatal factors, parental behavior; the physical, psychological, social, educational, and cultural development of children from birth through the primary grades; educational theory, research, and practice related to the development of young children.

Educational Management. University of Oregon, Eugene, Ore. 97403. Tel. (503) 686-5043.

Leadership, management, and structure of public and private educational organizations; practice and theory of administration; preservice and inservice preparation of administrators, tasks, and processes of administration; methods and varieties of organization, organization change, and social context of the organization. Sites, buildings, and equipment for education; planning, financing, constructing, renovating, equipping, maintaining, operating, insuring, utilizing, and evaluating educational facilities.

Educational Media and Technology. Institute for Communication Research, Cypress Hall, Stanford University, Stanford, Calif. 94305. Tel: (415) 321-2300, ext. 3345.

Individualized instruction systems approaches: film, television, radio, programmed instruction, computers in education, and miscellaneous audio-visual means of teaching. Technology in instruction and technology in society when clearly relevant to education.

Exceptional Children. Council for Exceptional Children, 1411 South Jefferson Davis Highway, Suite 900, Arlington, Va. 22202. Tel: (703) 521-8820.

Aurally, visually, mentally, and physically handicapped; emotionally disturbed, speech handicapped, learning disabilities; the gifted; behavioral, psychomotor, and communication

disorders; administration of special education services; preparation and continuing education of professional and paraprofessional personnel; preschool learning and development of the exceptional; general studies on creativity.

Higher Education. George Washington University, Suite 630, One Dupont Circle, Washington, D.C. 20036. Tel: (202) 296-2597.

Various subjects relating to college and university conditions and problems, college and university programs; curricular and instructional problems and programs; faculty, institutional research, federal programs, professional education (medicine, law, etc.), graduate education, university extension programs, teaching-learning, planning, governance, finance, evaluation, interinstitutional arrangements, and management of higher educational institutions.

Junior Colleges. University of California, Powell Library, Room 96, 405 Hilgard Avenue, Los Angeles, Calif. 90024. Tel: (213) 825-3931.

Development, administration, and evaluation of public and private community and junior colleges. Junior college students, staff, curricula, programs, libraries, and community services.

Languages and Linguistics. Modern Language Association of America, 62 Fifth Avenue, New York, N.Y. 10011. Tel: (212) 691-3200.

Instructional methodology, psychology of language learning, cultural and intercultural content, application of linguistics, curricular problems and developments, teacher training and qualifications, language sciences, psycholinguistics, theoretical and applied linguistics, language pedagogy, bilingualism, and commonly and uncommonly taught languages including English for speakers of other languages.

Library and Information Sciences. American Society for Information Science, Suite 804, 1140 Connecticut Avenue N.W., Washington, D.C. Tel: (202) 659-3778.

Various detailed aspects of information retrieval, library and information processing, library services, library and information systems, information utilization, publishing industry, terminology, library facilities and information centers, library materials and equipment, librarian and information science personnel, library organizations, and library education.

Reading and Communication Skills. 1111 Kenyon Road, Urbana, Illinois 61801. Tel: (217) 328-3870.

Responsible for collecting, analyzing, evaluating, and disseminating educational information related to research, instruction, and personnel preparation at all levels and in all institutions concerned with instruction in reading, English, journalism, theatre, and communication skills.

Rural Education and Small Schools. Box 3 AP, New Mexico State University, Las Cruces, N.M. 88001. Tel: (505) 646-2623.

Education of American Indians, Mexican Americans, Spanish Americans, and migratory farm workers and their children; outdoor education; economic, cultural, social, and other factors related to educational programs in rural areas and small schools; disadvantaged of rural and small school populations.

Science, Mathematics, and Environmental Education. Ohio State University, 1460 West Lane Avenue, Columbus, Ohio 43221. Tel: (614) 422-6717.

All levels of science, mathematics, and environmental education; development of curriculum and instructional materials; media applications, impact of interest, intelligence, values, and concept development upon learning; preservice and inservice teacher education and supervision.

Social Studies/Social Science Education. University of Colorado, 850 Broadway, Boulder, Colorado 80302. Tel: (303) 443-2211, ext. 8434.

All levels of social studies and social science; all activities relating to teachers; content of disciplines; applications of learning theory, curriculum theory, child development theory, and instructional theory; research and development programs; special needs of student groups; education as a social science; social studies/social science and the community.

Teacher Education. Suite 616, One Dupont Circle, Washington, D.C. 20036. Tel: (202) 293-7280.

School personnel at all levels; all phases from selection through preservice and inservice preparation and training to retirement; curricula; educational theory and philosophy; general education not specifically covered by Educational Management Clearinghouse; Title XI NDEA Institute data not covered by subject speciality in other ERIC Clearinghouses.

Tests, Measurement, and Evaluation. Educational Testing Service, Princeton, N.J., 08540. Tel: (609) 921-9000, ext. 2691.

Tests and other measurement devices; evaluation procedures and techniques; application of tests, measurement, or evaluation in educational projects or programs.

Vocational and Technical Education. Ohio State University, 1900 Kenny Road, Columbus, Ohio 43210. Tel: (615) 486-3655.

Agricultural education, business and office occupations education, distributive education, health occupations education, home economics education, technical education, trade and industrial education, subprofessional fields, industrial arts education, manpower economics, occupational sociology, and all matters related to the foregoing.

NOTES

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ERIC

Information Analysis Products

1967-1972

MAIN ENTRY SECTION

68-001 AC
Adult Basic Education *Current Information Sources, Number 3,* November 1967. 21p. (Annotated Bibliography) ED 014 024 RIE April 1968 MF-$0.65; HC $3.29
Adult Basic Education, Annotated Bibliographies, Literacy Education
Thirty-eight items are indexed and abstracted in this bibliography dealing with reading instruction, programed instruction, teacher attitudes, manpower development, regional needs, program planning and administration, teacher training, literacy education for enlisted men, and research studies conducted in New Mexico, Arizona, Nevada, Utah, Idaho, Wyoming, and Colorado.

68-002 AC
Adult Basic Education *Current Information Sources, Number 18,* May 1968. 44p. (Annotated Bibliography) ED 018 745 RIE October 1968 MF-$0.65; HC-$3.29
Abstracts, Adult Basic Education, Annotated Bibliographies, Literacy Education
Seventy-three items are indexed and abstracted in this bibliography on adult basic education arranged under four headings: (1) research reviews and general studies, (2) particular programs, (3) teacher training, and (4) materials, guides, and tests.

68-003 AC
Adult Education in Africa *Current Information Sources, Number 12,* February 1968. 17p. (Annotated Bibliography) ED 019 565 RIE November 1968 MF-$0.65; HC-$3.29
Adult Education, Annotated Bibliographies, Developing Nations, National Programs [Africa]
Twenty-three items are indexed and abstracted in this bibliography on adult education in Africa featuring educational needs and policies, and specific national and institutional programs in Ethiopia, Tanzania, Kenya, Malawi, Zambia, Rhodesia, and Nigeria.

68-004 AC
Adult Education in Asia, Australia, and New Zealand *Current Information Sources, Number 13,* February 1968. 34p. (Annotated Bibliography) ED 018 705 RIE October 1968 MF-$0.65; HC-$3.29
Adult Education, Annotated Bibliographies
Forty-five items are indexed and abstracted in this bibliography arranged by geographic locations to give the user current awareness of publications available about adult education in India, Australia, New Zealand, Nepal, Singapore, Japan, Hong Kong, the Philippines, and other countries.

68-005 AC
Adult Education Research *Basic Information Sources, Number 1,* January 1968. 4p. (Annotated Bibliography) ED 018 704 RIE October 1968 MF-$0.65; HC-$3.29
Adult Education, Annotated Bibliographies, Information Sources, Research
Twenty of the most basic and elementary references and bibliographic sources on adult education are presented, including information on addresses, dates and frequency of publication, costs for standard references, periodicals and abstracting services.

68-006 AC
Community Education for Adults *Current Information Sources Number 2,* November 1967. 19p. (Annotated Bibliography) ED 014 025 RIE April 1968 MF-$0.65; HC-$3.29
Adult Education Programs, Annotated Bibliographies, Community Education
Thirty items are indexed and abstracted in this bibliography dealing with numerous aspects and concerns of community education for adults, including community development in the United States and abroad, manpower development, leadership and professional training, educational and information needs, and functions and purposes of urban, rural, and university extension.

68-007 AC
Community Education for Adults *Current Information Sources, Number 16,* March 1968. 28p. (Annotated Bibliography) ED 016 175 RIE July 1968 MF-$0.65; HC-$3.29
Adult Education Programs, Annotated Bibliographies, Community Education, Community Service Programs, Federal Programs
Forty-three items are indexed and abstracted in this bibliography on various aspects of community education for adults, especially community public service, projects and programs under Title I of the Higher Education Act of 1965, and other federal programs, reports of specific regional and local programs on manpower development, and urban and rural projects.

68-008 AC
Continuing Education in the Professions *Current Information Sources Number 4,* November 1967. 12p. (Annotated Bibliography) ED 014 026 RIE April 1968 MF-$0.65; HC-$3.29
Annotated Bibliographies, Professional Continuing Education
Twenty-one items are indexed and abstracted in this bibliography dealing mostly with aspects of professional continuing education such as medicine, law, management development, theological education, vocational counseling, social work, and extension work. Also included are items on participation, motivation, educational needs, educational methods and media, and career opportunities for college trained women.

68-009 AC
Education for Aging *Current Information Sources, Number 14,* February 1968. 20p. (Annotated Bibliography) ED 019 564 RIE November 1968 MF-$0.65; HC-$3.29
Age, Annotated Bibliographies, Intelligence, Retirement, Vocational Retraining
Twenty-seven items are indexed and abstracted in this bibliography divided into sections relating to the characteristics and learning abilities of older adults, training programs, and retirement and preretirement education.

68-010 AC
Evening College Education *Basic Information Sources, Number 2,* November 1967. 27p. (Annotated Bibliography) ED 014 023 RIE April 1968 MF-$0.65; HC-$3.29
Adult Education Programs, Annotated Bibliographies, Evening Colleges, Higher Education, University Extension
This selective bibliography contains five sections of annotated items including (1) overviews and general surveys in evening college education, (2) periodicals and indexes, (3) research and enrollment data sources, (4) administration and personnel, and (5) program reviews and other studies of degree programs, urban extension, management, industrial and military education, and community services.

68-011 AC
Higher Adult Education *Current Information Sources, Number 1,* October 1967. 24p. (Annotated Bibliography) ED 014 031 RIE April 1968 MF-$0.65; HC-$3.29
Adult Education, Annotated Bibliographies, Higher Education, University Extension
Forty-one items are indexed and abstracted in this bibliography dealing largely with fine arts education, urban extension, community development, leadership training (including civil rights), managerial and professional education, vocational training, public television and participant characteristics.

68-012 AC
Higher Adult Education *Current Information Sources, Number 11,* February 1968. 28p.(Annotated Bibliography) ED 016 928 RIE August 1968 MF-$0.65; HC-$3.29
Adult Education Programs, Annotated Bibliographies, Higher Education
Forty-three items, mostly from 1966-1967, are indexed and abstracted in this bibliography on higher adult education. They are loosely arranged by general references, community types, student services, and particular program areas.

68-013 AC
Human Relations - Training and Research *Current Information Sources, Number 10,* January 1968. 22p. (Annotated Bibliography) ED 016 159 RIE July 1968 MF-$0.65; HC-$3.29
Annotated Bibliographies, Human Relations, Laboratory Training, Research
Thirty-six items are indexed and abstracted in this bibliography on human relations training and research and are grouped into research and research reviews, monographs and reports, and journal articles.

68-014 AC
Management Development *Current Information Sources, Number 5,* November 1967. 15p. (Annotated Bibliography) ED 013 430 RIE March 1968 MF-$0.65; HC-$3.29
Annotated Bibliographies, Management Development
Twenty-eight items are indexed and abstracted in this bibliography dealing with human relations and leadership training, program planning and evaluation, business games, discussion group

behavior, and company and university sponsored programs. Also included are comparative studies of programs and methods in several countries.

68-015 AC
Management Development *Current Information Sources, Number 17*, March 1968. 23p. (Annotated Bibliography) ED 016 927 RIE August 1968 MF-$0.65; HC-$3.29
Annotated Bibliographies, Business, Industry, Leadership Training, Management Development
Thirty-three items are indexed and abstracted in this bibliography dealing with leadership training, program planning and evaluation, human relations and laboratory training.

68-016 AC
Methods and Techniques of Adult Training *Current Information Sources, Number 7*, December 1967. 19p. (Annotated Bibliography) ED 013 429 RIE March 1968 MF-$0.65; HC-$3.29
Adult Education, Annotated Bibliographies, Educational Methods, Training Techniques
Thirty-five items are indexed and abstracted in this bibliography on adult training in the military, management development, vocational education and retraining, as well as on methods, techniques, and related aspects such as research methodology, training costs, correspondence study, programed instruction, training objectives, and terminology.

68-017 AC
Programed Instruction in Adult Education *Current Information Sources, Number 15*, February 1968. 26p. (Annotated Bibliography) ED 015 432 RIE June 1968 MF-$0.65; HC-$3.29
Adult Learning, Annotated Bibliographies, Evaluation, Programed Instruction, Teaching Techniques
Thirty-nine items are indexed and abstracted in this bibliography dealing with research and evaluation studies, testing, programs, textbooks and bibliographies on programed instruction in adult education.

68-018 AC
Public School Adult Education *Current Information Sources, Number 9*, January 1968. 16p. (Annotated Bibliography) ED 016 154 RIE July 1968 MF-$0.65; HC-$3.29
Adult Basic Education, Adult Education Program, Annotated Bibliographies, Public School Adult Education, Secondary Education
Twenty-three items are indexed and abstracted in this bibliography covering training and retraining of adults and out-of-school youth in the area of adult basic and secondary education.

68-019 AC
DeCrow, Roger **Research and Investigations in Adult Education** *Adult Education*, v17 n4, pp.195-259, Summer 1967. 65p. ED 012 877 RIE February 1968 MF-$0.65; HC-$3.29
Adult Education, Research Reviews (Publications)
The 177 reports comprising this research review cover learning-related abilities, interests and motives, program planning and administration, learning formats and environments, instructional methods and techniques, adult basic education, vocational education, management and the professions, institutional sponsors, and research methodology.

68-020 AC
Television and Radio in Adult Education *Current Information Sources, Number 6*, November 1967. 19p. (Annotated Bibliography) ED 014 032 RIE April 1968 MF-$0.65; HC-$3.29
Adult Education, Adult Education Programs, Annotated Bibliographies, Educational Radio, Educational Television
Thirty-two items are indexed and abstracted in this bibliography on aspects of educational and instructional radio and television, particularly viewing habits, motivation, public television, media technology, information dissemination and patterns of information seeking, the use of correspondence study and listening of viewing groups, the teaching of foreign languages and special areas of needs in developing countries.

68-021 AC
Training of Adult Education Personnel *Current Information Sources, Number 8*, December 1967. 27p. (Annotated Bibliography) ED 014 670 RIE May 1968 MF-$0.65; HC-$3.29
Adult Educators, Annotated Bibliographies, Professional Training, Teacher Characteristics
Forty-four items are indexed and abstracted in this bibliography on training methods, educational background, attitudes, leadership qualities and functions, role perception, joy satisfaction, personnel policy, and organizational climate as related to the training of adult education personnel.

68-022 AC
DeCrow, Roger **Adult Education in the United States** *Technical Education and Industrial Training*, v10 n5, pp. 186-189, May 1968. 4p. (Review Paper)
Adult Education, Adult Education Programs
A description of adult education participation in the U.S. based on the National Opinion Research Center of the University of Chicago study made in 1961-1962 is presented.

68-023 AC
DeCrow, Roger **A Model Information System for the Adult Education Profession** February 1968. 23p. (Seminar Paper) ED 015 412 RIE June 1968 MF-$0.65; HC-$3.29
Adult Education, Information Systems, Models, Resource Centers
This paper outlines the requisites for a model information service system for the adult education profession and explains how the ERIC Clearinghouse on Adult Education provides some of these services. It also points out some of the other steps needed to involve other agencies.

68-024 AC
DeCrow, Roger; Grabowski, Stanley **Sources of Information about Adult Education** *Adult Leadership*, v17 n2, pp. 75-77, June 1968. 3p. (Annotated Bibliography)
Adult Education, Adult Basic Education, Information Sources
A guide to finding information, particularly in adult basic education, and an explanation of how to use three national information centers--Educational Resources Information Center, NAPSAU Adult Education Clearinghouse, and School Research Information Service. 11 items are contained in the annotated bibliography.

68-025 CG
Hechlik, John E.; Lee, James L. **Small Group Work and Group Dynamics** *Caps Current Resources Series*, April 1968. 99p. (Annotated Bibliography) ED 017 037 RIE August 1968 MF-$0.65; HC-$3.29
Group Activities, Group Counseling, Group Dynamics, Research Reviews (Publications), Student Personnel Programs
This publication presents resumes of selected literature on recent developments in small group work. Theories of group dynamics, specific applications of group work, and discussions of methodology in small group work are among the areas included. The abstracted literature is indexed by subject and author.

68-026 CG
Lee, James L., comp. **Professional Specialties in the Pupil Personnel Services** *Caps Current Resources Index*, June 1968. 63p. (Annotated Bibliography) ED 021 306 RIE January 1969 MF-$0.65; HC-$3.29
Bibliographies, Counselors, School Psychologists, School Social Workers, Student Personnel Services
This publication is designed to make the user aware of the variety of available information sources concerned with the various pupil personnel professions, the broad spectrum of problems and issues in these professions, and the major areas of emphasis in the current literature dealing with the various professions.

68-027 CG
Rich, Juliet V. **The use of Information in Personnel Services** *Caps Current Resources Series*, April 1968. 81p. (Annotated Bibliography) ED 017 036 RIE August 1968 MF-$0.65; HC-$3.29
Information Processing, Information Systems, Information Utilization, Research Reviews (Publications), Student Personnel Services
This publication presents resumes of selected literature on new information techniques applicable to personnel work. Computer systems for processing and using information, applications and standards for new information systems, and specific personnel areas affected by such developments are among the topics covered.

68-028 CG
Urbick, Thelma, comp. **Decision-Making** *Caps Current Resources Index*, June 1968. 59p. (Annotated Bibliography) ED 021 305 RIE January 1969 MF-$0.65; HC-$3.29
Bibliographies, Computer Oriented Programs, Decision Making, Group Counseling, Vocational Development
This publication presents resumes of selected literature on the relationship of decision-making to creativity and dominance, group processes, educational and vocational planning, business strategy, and communication. The roles played by the teacher, counselor, and computer in teaching decision-making skills are emphasized.

68-029 CG
Walz, Garry R.; Lee, James L. **Pupil Personnel Services** *Caps Current Resources Series*, April 1968. 108p. (Annotated Bibliography) ED 017 038 RIE August 1968 MF-$0.65; HC-$6.58
Program Development, Research Reviews (Publications), Student Personnel Programs
This publication emphasizes the literature covering the total pupil personnel program embracing such topics as philosophy, legal implications, organizational patterns, and goals. Resumes of the selected literature suggest the main issues in the total program and the variety of available materials. The abstracted resources are indexed by subject and author.

68-030 UD
Goldberg, Gertrude S.; Gordon, Edmund W. **Puerto Rican Migrants on the Mainland of the United States** *IRCD Bulletin*, v4 n1, pp. 1-11, January 1968. 12p. (Review Paper) ED 021 941 RIE January 1969 MF-$0.65; HC-$3.29
Family Characteristics, Individual Characteristics, Literature Reviews, Puerto Ricans, Urban Immigration, Migrants
This bulletin on the Puerto Rican migrant consists primarily of (1) a review of the literature dealing with Puerto Rican immigrants, (2) a review of Oscar Lewis's LaVida. An annotated bibliography on the Puerto Rican population and a list of reviews of LaVida are also included.

68-031 UD
Gordon, Edmund W. **Disadvantaged Population** *IRCD Bulletin*, v3 n1, pp.1-6, September 1967. 8p. (Bibliography) ED 014 521 RIE April 1968 MF-$0.65; HC-$3.29
Bibliographies, Literature Reviews, Socially Disadvantaged, Disadvantaged Groups
This bibliography on disadvantaged populations, which makes up the bulk of the bulletin, is in three sections: (1) book-length treatments of the problem of the disadvantaged, (2) demographic and status studies, and (3) literature on cultural and social patterns.

68-032 UD
Gordon, Edmund W. **Equalizing Educational Opportunity in the Public School** *IRCD Bulletin*, v3 n5, pp.1-4, November 1967. 6p. (Review Paper) ED 016 759 RIE July 1968 MF-$0.65; HC-$3.29
Academic Achievement, Educational Quality, Minority Groups, School Segregation, School Surveys
This is a critical review of Equality of Educational Opportunity (known as the Coleman Report after its senior author), a report of an extensive survey of minority group education in the United States. A comprehensive, annotated bibliography is included.

68-033 UD
Gordon, Edmund W.; Jablonsky, Adelaide **Compensatory Education in the Equalization of Educational Opportunity: A Summary Evaluation of Compensatory Education, some Models for its Improved Application and some Projected Costs of their Implementation. A Report to the U.S. Com. on Civil Rights** November 1967. 54p. (State of the Art Paper) ED 013 863 RIE March 1968 MF-$0.65; HC-$3.29
Compensatory Education Programs, Disadvantaged Youth, Educational Planning, Estimated Costs, Evaluation, Models
In this report to the Commission on Civil Rights, the nature and impact of existing compensatory education programs are evaluated, general criteria for the success of such programs are determined, and the cost for implementation of effective programs is estimated.

68-034 UD
Jablonsky, Adelaide **Some Trends in Education for the Disadvantaged** *IRCD Bulletin*, v4 n2, March 1968. 12p. (Review Paper) ED 021 942 RIE January 1969 MF-$0.65; HC-$3.29
Compensatory Education Programs, Disadvantaged Youth, Program Effectiveness, School Surveys
This report discusses some "promising" compensatory education programs and presents statistical estimates which identify the disadvantaged population to be served by such programs. The discussion is based on observations of school systems and on interviews with over 200 educational administrators. An annotated bibliography on these programs follows the discussion.

68-035 UD
Katz, Irwin **Problems and Directions for Research on Public School Desegregation** December 1967. 35p. (State of the Art Paper) ED 015 989 RIE June 1968 MF-$0.65; HC-$3.29
Academic Achievement, Integration Effects, Integration Methods, Integration Studies, School Integration
This paper reviews research on public school desegregation and suggests directions for future studies. Various findings and hypotheses have been discussed. This paper was presented at the Research Dissemination and Training Conference, held at Yeshiva University, June 26-30, 1967.

68-037 PS
Belhigi-Klima, Ursula **Evaluating the Child's Language Competence** April 1968. 21p. (Working Paper) ED 019 141 RIE November 1968 MF-$0.65; HC-$3.29
Children, Language Ability, Language Tests, Syntax
According to this document, language ability necessary for school success is dependent upon a child's ability to understand syntactic cues and to put words together in meaningful patterns. The document describes tests of syntactic understanding which ask the child to discriminate between sentences which are different only in syntactic construction.

68-038 PS
Deutsch, Martin; And Others **The Deutsch Model--Institute for Developmental Studies** June 1968. 20p. (Working Paper) ED 020 009 RIE November 1968 MF-$0.65; HC-$3.29
Child Development Centers, Culturally Disadvantaged, Educational Strategies, Environmental Influences, Kindergarten Children, Preschool Children
The Deutsch intervention model is based on the theory that environment plays a major role in the development of cognitive skills and that disadvantaged children have intellectual deficits which may be overcome by the use of matched remedial measures. Intervention is aimed at language skills, motivation, and perceptual and conceptual development.

68-039 PS
Hess, Robert; Shipman, Virginia **Parents as Teachers: How Lower-Class and Middle-Class Mothers Teach** June 1968. 29p. (Working Paper) ED 025 301 RIE May 1969 MF-$0.65; HC-$3.29
Evaluati[illegible] Mothers, Parent Child Relationship, Teaching Styles
This paper describes an investigation of maternal teaching styles, in which 162 mothers taught their children two cognitive sorting tasks. Maternal teaching variables examined include language, motivation techniques, ability to interpret child's responses, and success in giving appropriate feedback. The paper contains examples of positive and negative ways of motivating children.

68-041 PS
Lavatelli, Celia B. **Critical Overview of Early Childhood Education Programs** April 1968. 18p. (Working Paper) ED 019 142 RIE October 1968 MF-$0.65; HC-$3.29
Early Childhood Education, Educationally Disadvantaged, Preschool Programs
In this discussion of three kinds of preschool programs for the disadvantaged, both philosophical approaches and curricula are included. The suggestion is made that language areas can be strengthened by offering activities designed to elicit descriptive and comparative responses from the children.

68-042 PS
Lavatelli, Celia B., ed. **The Development of Forms of the Negative** June 1968. 7p. (Working Paper) ED 022 549 RIE February 1969 MF-$0.65; HC-$3.29
Language Development, Language Research, Negative Forms (Language), Preschool Children, Syntax
This document states that in both standard and dialectal English, grammer rules for forming negative, interrogative, and other parts of speech are learned without formal instruction. The relationship between thought and language is discussed in terms of changes of grammatical usage.

68-043 PS
Lavatelli, Celia B., ed. **Problems of Dialect** June 1968. 7p. (Working Paper) ED 025 300 RIE May 1969 MF-$0.65; HC-$3.29
Dialects, Language Handicaps, Language Research, Research Reviews (Publications)
Children who learn a dialect differ in pronunciation, syntax, or both, from children who learn standard English, according to this paper. It indicates, however, that dialects may not be a hindrance to thinking processes, and it stresses the need for experimental work.

68-044 PS
Macklin, Eleanor D.; And Others **Cornell Story Reading Program** August 1968. 15p. (Occasional Paper) ED 019 529 RIE November 1968 MF-$0.65; HC-$3.29
Disadvantaged Youth, Preschool Programs, Reading Programs, Story Reading, Teenagers
A group of 14-year-old girls from working class homes who were recommended by their counselors participated in a story reading program to improve the language development of disadvantaged children one-and-a-half to two-and-a-half years old. This document describes how the program was innovated.

68-045 PS
O'Brien Roslyn A.; Lopate, Phillip **Preschool Programs and the Intellectual Development of Disadvantaged Children** June 1968. 14p. (Occasional Paper) ED 024 473 RIE April 1969 MF-$0.65; HC-$3.29
Compensatory Education Programs, Culturally Disadvantaged, Intellectual Development, Preschool Children, Preschool Programs [Head Start]
Presented in this general discussion is a brief review of studies in child development and descriptions of compensatory preschool programs primarily structured around language learning. Section topics include intellectual development, cultural disadvantagement, and teacher and program orientation characteristics.

68-046 PS
Shinn, Byron M., Jr., comp. **A Bibliography (with Selected Annotations) on Nongraded Elementary Schools** February 1967. 21p. ED 015 024 RIE May 1968 MF-$0.65; HC-$3.29
Annotated Bibliographies, Nongraded System, Ungraded Elementary Programs
This paper is divided into three parts: (1) research studies evaluating the results of nongraded elementary schools, (2) articles describing various facets of these books, and (3) a listing (without annotations) of books and additional articles describing nongraded organizations.

68-047 EA
Longanecker, Robert E. **Selected Bibliography on Evaluation of Administrators** February 1968. 9p. ED 018 853 RIE October 1968 MF-$0.65; HC-$3.29
Administrator Evaluation, Bibliographies, Educational Administration
Contained in this bibliography are 88 listings on the evaluation of educational administrators.

68-048 EA
Piele, Philip K. **Selected Bibliography on Collective Negotiations** January 1968. 12p. ED 024 133 RIE April 1969 MF-$0.65; HC-$3.29
Bibliographies, Board of Education Role, Collective Negotiation, Superintendent Role, Teacher Associations
This bibliography lists 117 journal articles, 10 books and 14 dissertations published in 1966 and 1967 on negotiation research, grievance procedures, teacher strikes, teacher associations and the role of the various participants in the collective negotiation process.

68-049 EA
Eidell, Terry L.; Piele, Philip K. **A Bibliography of Selected Documents on Planning Programming Budgeting Systems** March 1968. 6p. ED 018 876 RIE October 1968 MF-$0.65; HC-$3.29
Bibliographies, Educational Finance, Program Budgeting, Program Planning
Contained in this bibliography are 48 selected items on planning programming budgeting systems.

68-050 EA
Smith, Stuart C. **Collective Negotiations in Education, A Review of Recent Literature** *R & D Perspectives*, ERIC/CEA Supplement, pp.2-7, Winter 1968. 8p. (Review Paper) ED 018 869 RIE October 1968 MF-$0.65; HC-$3.29
Administrative Personnel, Collective Negotiation, Literature Reviews, Public Education, Teachers
Six major books on collective negotiations between teachers and boards of education are reviewed. Among the areas discussed are negotiation history, teacher organizations, negotiable issues, strikes and sanctions, relevance of the private sector, administrator membership in teacher organizations, superintendent role in negotiations, and the future of negotiations.

68-051 EA
Thiemann, Francis C. **Selected Bibliography on Succession in Complex Organizations** September 1967. 9p. ED 017 062 RIE August 1968 MF-$0.65; HC-$3.29
Bibliographies, Careers, Occupational Mobility, Organization, Personnel, Administrator Characteristics
Listed in this bibliography are 56 journal articles, 18 books, 10 doctoral dissertations, and two unpublished papers on succession in complex organizations published between 1948 and 1966.

68-052 EA
Piele, Philip K. **Selected Bibliography of Journal Articles on Educational Data Processing** August 1967. 10p. ED 017 060 RIE August 1968 MF-$0.65; HC-$3.29
Bibliographies, Data Processing, Information Processing, Personnel Data, Systems Approach
This bibliography lists 145 journal articles on educational data processing published between 1960 and 1967.

68-053 EF
Bibliography of Environmental Design References January 1968. 62p. ED 022 357 RIE February 1969 MF-$0.65; HC-$3.29
Behavioral Sciences, Biological Sciences, Environmental Criteria, Environmental Influences
This initial selection of journals, books and unpublished papers gives an overview of man and the environmental conditions which are a part of his daily living pattern. Information leading to design principles and implications based on the physiological, psychological, and sociological needs of man can be synthesized from the literature. The bibliographic listings contained within this publication were identified and made available to the ERIC system by the Environmental Design Center at the University of Wisconsin.

68-054 EM
Edling, Jack V. **A Basic Reference Shelf on Instructional Media Research** *Using Educational Media-Guides to the Literature, Series 1*, November 1967. 12p. (Annotated Bibliography) ED 015 674 RIE June 1968 MF-$0.65; HC-$3.29
Annotated Bibliographies, Media Research, Reference Materials, Instructional Media
The literature relevant to instructional media research is organized and annotated under the headings: (1) References related to identifying a significant research question, (2) Completed research on educational media, (3) Measurement methodology, (4) Research design considerations, (5) Analysis of data, and (6) Proposal and report writing.

68-055 EM
Glaser, Robert; Marino, Mary Louise **A Basic Reference Shelf On Programed Instruction** *A Series 1 Paper from ERIC at Stanford*, June 1968. 9p. (Annotated Bibliography) ED 019 013 RIE October 1968 MF-$0.65; HC-$3.29
Annotated Bibliographies, Computer Assisted Instruction, Educational Objectives, Learning Theories, Programed Instruction
References are listed and annotated under the headings: (1) General introduction to programed instruction, (2) Manuals for the program writer, (3) User guides and information, and (4) References for the researcher, programer, or user already familiar with the fundamentals.

68-056 EM
Hilgard, Ernest R. **A Basic Reference Shelf on Learning Theory** *A Series 1 Paper From ERIC at Stanford*, September 1967. 18p. (Review Paper) ED 038 829 RIE September 1970 MF-$0.65; HC-$3.29
Annotated Bibliographies, Educational Psychology, Learning Theories, Reference Materials
The first part of this paper summarizes Dr. Hilgard's position on "principles" of learning theory in practice, with some emphasis on teaching media. The second part presents an annotated bibliography of source readings in learning theory,

68-057 EM
Ingle, Henry T. **A Basic Reference Shelf on the New Media and Teacher Training** *A Series 1 Paper from ERIC at Stanford*, May 1968. 12p. (Annotated Bibliography) ED 019 011 RIE October 1968 MF-$0.65; HC-$3.29
Annotated Bibliographies, Instructional Media, Research Methodology, Teacher Education
Annotated references encompass research results and evaluations of concepts and practices in teacher education, analysis of the challenge and potential of the new media, and guides to research on teaching.

68-058 EM
Kanner, Joseph H. **The Instructional Effectiveness of Color in Television: A Review of the Evidence** *Using Educational Media--Guides to the Literature, Series 1*, January 1968. 11p. (Review Paper) ED 015 675 RIE June 1968 MF-$0.65; HC-$3.29
Equipment Utilization, Instructional Television, Learning, Research Reviews (Publications)
A review of studies shows that color presentations in instruction seem to have no advantage over black-and-white presentations in terms of learning gain. The author interprets this finding as a function of "the ability of the learner to use verbal cues...as substitutions for color."

68-059 EM
MacConnell, James D.; Schiller, Clarke E. **A Basic Reference Shelf on Facilities for Instructional Media** *A Series 1 Paper from ERIC at Stanford*, March 1968. 14p. (Annotated Bibliography) ED 019 012 RIE October 1968 MF-$0.65; HC-$3.29
Annotated Bibliographies, Educational Planning, Facilities Case Studies, Instructional Media
The design and construction of facilities to house educational media are discussed. A concluding note describes the activities of the Educational Facilities Laboratory and the Stanford School Planning Laboratory.

68-060 EM
Siebert, Fred S. **An Analysis of University Policy Statements on Instructional Recordings and Their Re-use** June 1968. 10p. (Review Paper) ED 023 310 RIE March 1969 MF-$0.65; HC-$3.29
Audiovisual Aids, College Faculty, School Policy, Staff Utilization, Teacher Developed Materials
Policy statements of 20 universities are analyzed to reveal differences in ownership and copyright provisions for instructional recordings, as well as faculty rights and faculty compensation associated with the use and re-use of such recordings. (duplicate to 69-081 EM).

68-075 JC
Altshuler, Thelma C. **Classroom Testing Practices in the Junior College** *Junior College Research Review*, v2 n1, September 1967. 4p. (Review Paper) ED 013 107 RIE February 1968 MF-$0.65; HC-$3.29
Achievement Tests, Junior Colleges, Research Reviews (Publications)
This research review reveals classroom testing practices as described in reports to the Clearinghouse for Junior College Information. These reveal a need for information on the role of classroom tests, an interchange of ideas, and reports of practices. Examples concern machine grading, validation through item analysis, standardized and essay tests, and instructional objectives and testing.

68-076 JC
Canfield, Albert A. **Time for Instructional Research** *Junior College Research Review*, v2 n4, December 1967. 4p. (Review Paper) ED 014 990 RIE May 1968 MF-$0.65; HC-$3.29
Educational Research, Instructional Research, Instructional Improvement, Junior Colleges, Research Needs
Based on documents in the Clearinghouse for Junior College Information collection, this research review cites need for empirical evidence of instructional effectiveness. Existing descriptive studies concern instructional television, programed materials, class size, and instructor style. Studies should present data from direct observation of basic instructional design features. Sources report a trend toward more effective research.

68-077 JC
Howe, Richard Davis **Selected Teacher Preparation Programs** *Junior College Research Review*, v2 n4, May 1968. 4p. (Review Paper) ED 021 542 RIE January 1969 MF-$0.65; HC-$3.29
Education Majors, Internship Programs, Junior Colleges, Research Reviews (Publications), Teacher Education
Descriptions of junior college teacher training programs include (1) The University of California at Los Angeles on course apprenticeship or special study plus one year internship, (2) Southern Illinois University's district internship, (3) The University of South Florida's multi-institution conference, and (4) Appalachian State University's full teaching major plus minor in education and psychology.

68-078 JC
Hurlburt, Allan S. **The Preparation and Characteristics of Junior College Teachers** *Junior College Research Review*, v2 n6, February 1968. 4p. (Review Paper) ED 018 179 RIE September 1968 MF-$0.65; HC-$3.29
College Teachers, Higher Education, Junior Colleges, Teacher Qualifications, Teaching Quality
Documents in the Clearinghouse for Junior College Information reveal the need for the junior college teacher to have a strong academic and teaching background, strong guidance and counseling ability, an academic master's degree, and professional course work related to junior college students. Traditional subject-matter Ph. D. is not as appropriate as proficiency in teaching and counseling.

68-079 JC
Roueche, John E. **The Junior and Community College: A Bibliography of Doctoral Dissertations** 1964-1966. 1967. 22p. (Bibliography) ED 013 656 RIE March 1968 MF-$0.65; HC-
American Association of Junior Colleges, $1.00
Bibliographies, Doctoral Theses, Junior Colleges
Compiled for the American Association of Junior Colleges, this bibliography lists 214 doctoral dissertations about the junior college, completed from 1964 to 1966. The dissertations are listed by author, subject index, and institutional source.

68-080 JC
Roueche, John E. **The Junior College President** *Junior College Research Review*, v2 n10, June 1968. 4p. (Review Paper) ED 022 430 RIE February 1969 MF-$0.65; HC-$3.29
Administrator Characteristics, Administrator Selection, Educational Administration, Junior Colleges, Presidents
Increasing demand has created a shortage of qualified applicants for junior college presidencies. Most presidents come from their respective states and are 50 to 53 years of age

68-081 JC
Roueche, John E. **The Junior College Remedial Program** *Junior College Research Review*, v2 n3, November 1967. 4p. (Review Paper) ED 013 661 RIE March 1968 MF-$0.65; HC-$3.29
Junior Colleges, Low Ability Students, Low Achievers, Remedial Programs
The large number of low ability junior college students demands empirical studies of the effectiveness of remedial programs. The failure of existing remediation, as reported in documents collected as the Clearinghouse for Junior College Information, is attributed to inappropriate objectives, inadequate student selection procedures, and lack of qualified teachers. Research should evaluate present practices and build models for future programs.

68-082 JC
Roueche, John E. **Research Studies of the Junior College Dropout** *Junior College Research Review*, v2 n2, October 1967. 4p. (Review Paper) ED 013 659 RIE March 1968 MF-$0.65; HC-$3.29
Dropout Prevention, Dropout Research, Junior Colleges, Research Reviews (Publications)
Documents in the Clearinghouse for Junior College Information reveal efforts of junior colleges to reduce dropout rates by adjusting policies based on analyses of student characteristics. Little relationship is seen between attrition and ability, while some effect is attributed to nonintellective factors. Longitudinal and student self-report studies are recommended.

68-083 JC
Roueche, John E.; Boggs, John R. **Entrance and Placement Testing** *Junior College Research Review*, v2 n5, January 1968. 4p. (Review Paper) ED 014 991 RIE May 1968 MF-$0.65; HC-$3.29
College Entrance Examinations, Junior Colleges, Research Reviews (Publications), Standardized Tests
This paper, based on a review of documents processed at the Clearinghouse for Junior College Information, reflects needs for standardizing tests, correlating scores to achievement, predicting academic success, evaluating student changes while in school, developing performance profiles of specific groups, relating tests to specific instructional objectives, formulating rationales for revising objectives based on test results, and proper use of statistical procedures.

68-084 JC
Roueche, John E.; Boggs, John R. **Junior College Instructional Research: The State of the Art** May 1968. 76p. (Monograph Series) ED 021 557 RIE January 1969 MF-$0.65; HC-$3.29
Educational Research, Junior Colleges, Research Methodology
Interviews plus 28 studies from 70 junior colleges reveal current research on student characteristics, faculty, instruction, curriculum, services, operations and testing. Approaches were observational studies, group comparisons, and correlation for prediction and counseling. Comments and recommendations are made regarding methodology and

results. Research and institutional evaluation are the president's responsibility.

68-085 JC
Roueche, John E.; Boggs, John R. **Needed Research in the Junior College.** *Junior College Research Review*, v2 n8, April 1968. 4p. (Review Paper) ED 021 541 RIE January 1969 MF-$0.65; HC-$3.29

Educational Research, Instructional Improvement, Junior Colleges

This paper reveals needs for the following kinds of research in the junior college: normative studies, statistical significance, precise problems, defined hypotheses and populations, random sampling and integration of data collection and processing. Topics suggested are vocational courses and vocational success, student course choices and interests, general education and enriched lives, and faculty and student motivation.

68-086 JC
Roueche, John E.; Hurlburt, Allan S. **Research on Junior College Teachers** *Junior College Research Review*, v2 n7, March 1968. 4p. (Review Paper) ED 021 540 RIE January 1969 MF-$0.65; HC-$3.29

Instruction, Junior Colleges, Student Opinion, Teacher Evaluation, Teachers

Documents in the Clearinghouse for Junior College Information reveal that student ratings of faculty stimulate self improvement when seriously considered by the faculty. Retired military personnel compare favorably with other teachers. Classroom observations, student accomplishments, and follow-up studies of graduates prove useful measures of teacher effectiveness. In-service workshops and reduced loads aid teachers.

68-087 JC
Roueche, John E.; Rumanzeff, Natalie **The College President: A Bibliography (With Annotations on the Junior College Presidency)** May 1968. 16p. ED 019 966 RIE November 1968 MF-$0.65; HC-$3.29

Bibliographies, Colleges, Higher Education, Junior Colleges, Presidents

Listed here are 70 general references and 24 document reviews specifically related to the junior and community college presidency which indicate that increasing numbers of incumbents come from areas other than higher education and that the office is the most influential change agent in the institution. Workshop and institute proceedings are included.

68-088 JC
Roueche, John E.; Rumanzeff, Natalie, Comps. **Counseling and Guidance in the Junior College: A Bibliography** June 1968. 16p. ED 022 452 RIE February 1969 MF-$0.65; HC-$3.29

Bibliographies, Guidance Counseling, Junior Colleges, Student Personnel Services, Student Welfare

Listed here are 163 documents published since 1955 concerning junior college counseling and guidance. They reveal "student-centered" institutions servicing learners who vary widely in ability, achievement, vocational goals, motivation, and age. Institutional goals focus on providing counseling and guidance.

68-089 JC
Roueche, John E.; Rumanzeff, Natalie **The Junior and Community College Faculty, A Bibliography** 1968. 20p. ED 016 490 RIE July 1968 MF-$0.65; HC-National Faculty Association of Community and Junior Colleges, $1.00 (Pub. No. 851-24120)

Bibliographies, College Faculty, College Teachers, Community Colleges, Junior Colleges

One hundred and eighty-six documents published since 1962 concerning junior and community college teachers are listed by author and are cross indexed under 66 subject headings. Topics include teacher characteristics, preparation, evaluation, salaries and working conditions. Not included are materials specifically related to processes or methods of teaching.

68-090 AL
Prochazka, Theodore, Jr. **1960-1967 Selected Bibliography of Arabic** December 1967. 82p. ED 014 082 RIE April 1968 MF-$0.65; HC-$3.29

Arabic, Bibliographies, Dictionaries, Linguistics

This bibliography contains 615 selected articles and books on theoretical and applied linguistics and relevant philological studies in the field of Arabic. Entries are arranged by major linguistic topics, with further division into classical and colloquial Arabic indicated wherever applicable. Author and subject indices are appended.

68-091 AL
Teoh, Irene **1966 Selected Bibliography in Linguistics and the Uncommonly Taught Languages** June 1967. 67p. ED 010 693 RIE July 1967 MF-$0.65; HC-$3.29

Bibliographies, Linguistics, Uncommonly Taught Languages

This bibliography contains 730 titles of books, articles, bibliographies, and unpublished papers divided into the following sections: (1) terminology, (2) linguistic theory and method, (3) psycholinguistics, (4) sociolinguistics, (5) structural comparison and language typology, (6) computational linguistics, (7) classification of languages, and (8) uncommonly taught languages.

68-092 RE
Green, Ronald **Reading Programs in Secondary Schools** *Occasional Papers in Reading, Volume 1*, July 1967. 27p. (Review Paper) ED 012 691 RIE January 1968 MF-$0.65; HC-$3.29

High Schools, Junior High Schools, Reading Instruction, Reading Programs, Reading Research

The reading programs of 20 senior and 18 junior high schools are reviewed and analyzed according to how the program was begun, what students are included, how the program is scheduled, who is responsible for secondary reading instruction, and what characteristics describe existing programs. A 114-item bibliography is included.

68-093 RE
Harris, Larry A. **International Reading Association Conference Proceedings, Reports on Elementary Reading** October 1967. 1135p. (Annotated Bibliography) ED 013 197 RIE February 1968 MF-$0.65; HC-$39.48

Annotated Bibliographies, Elementary Grades, Reading

An annotated bibliography and the text of the important papers on elementary reading published in the yearly conference proceedings of the International Reading Association since 1960 are presented. The 345 papers are categorized under 16 topics including reading programs, materials, teacher education, and others.

68-094 RE
Harris, Larry A. **Reports on Reading and the Disadvantaged: Elementary Level** April 1968. 111p. (Annotated Bibliography) ED 015 350 RIE June 1968 MF-$0.65; HC-$6.58

Culturally Disadvantaged, Educational Programs, Elementary Grades, Reading Programs, Research Reviews (Publications)

One hundred and sixty-four elementary level reading projects and reports related to educational programs for the disadvantaged were selected from Educator's Complete ERIC Handbook for inclusion. Such topics as general descriptions, curriculum guides, materials, implementation, and evaluation are included. Each entry includes citation data, index terms, and a descriptive abstract.

68-095 RE
Laffey, James L. **Recent Reviews and Bibliographic Resources for Reading Research** *ERIC/CRIER Reading Review Series, Volume 1, Bibliography 1*, August 1967. 88p. (Annotated Bibliography) ED 013 344 RIE March 1968 MF-$0.65; HC-$3.29

Annotated Bibliographies, Language Arts, Reading Research, Research Reviews (Publications)

Descriptive abstracts of 259 useful documents related to reading research published between 1957 and 1966 are presented. Articles which reviewed research, analyzed topics in reading, or provided fairly extensive lists of references are included. The publication is organized alphabetically in yearly segments and contains an author index.

68-096 RE
Laffey, James L. **Reports on Reading and the Disadvantaged: Secondary Level** May 1968. 85p. (Annotated Bibliography) ED 016 146 RIE July 1968 MF-$0.65; HC-$3.29

Annotated Bibliographies, Culturally Disadvantaged, Educational Programs, Reading Programs, Research Reviews (Publications)

Abstracts of 121 projects and reports of secondary educational programs for the disadvantaged were selected from the Educator's Complete ERIC Handbook. Most of the studies emerged from the Great Cities Program and include such topics as curriculum guides, materials implementation, evaluation, and general description and discussion.

68-097 RE
Harris, Larry A. **Title III (PACE) Projects on Reading** *ERIC/CRIER Reading Review Series, Volume 1, Bibliography 6*, March 1968. 48p. (Annotated Bibliography) ED 017 409 RIE August 1968 MF-$0.65; HC-$3.29

Curriculum Development, Educational Innovation, Grants, Reading Clinics, School Community Programs

All the reading-related PACE project planning and operational grants approved during fiscal year 1966 are listed. Each entry includes citation data, index terms, and a descriptive abstract of the contents of the document.

68-098 RE
Laffey, James L. **USOE Sponsored Research on Reading** *ERIC/CRIER Reading Review Series, Volume 1, Bibliography 5*, March 1968. 104p. (Annotated Bibliography) ED 016 603 RIE July 1968 MF-$0.65; HC-$6.58

Culturally Disadvantaged, Instructional Innovation, Language Development, Reading Programs, Reading Research

A bibliography of important research on reading and related topics is presented. The bibliography provides a comprehensive review of all USOE reading projects funded by the Bureau of Research since its inception in 1956. Entries include citation data, index terms, and a descriptive abstract of the contents of each document.

68-099 RE
Mangrum, Charles T. **A Citation Bibliography of Selected Sources on Dyslexia and Learning Disabilities** May 1968. 78p. (Bibliography) ED 020 865 RIE December 1968 MF-$0.65; HC-$3.29

Bibliographies, Dyslexia, Learning Difficulties

Approximately 1400 citations, ranging from 1868 to 1967, which relate to dyslexia and learning disabilities are included. Citations are arranged alphabetically by author and include books, monographs, manuals, and published and unpublished journal literature and papers.

68-100 RE
Mangrum, Charles T. **Vision and Reading Ability** October 1967. 34p. (Review Paper) ED 015 863 RIE June 1968 MF-$0.65; HC-$3.29

Perceptual Motor Learning, Reading Ability, Visually Handicapped

Significant research on the physiological and functional aspects of vision and reading disability is surveyed. A 70-item bibliography and a glossary of terms are appended. A table listing various visual defects indicate whether or not the research studies show a relationship between visual defects and reading inability.

68-101 RE
Summers, Edward G. **International Reading Association Conference Proceedings, Reports on Secondary Reading** September 1967. 612p. (Annotated Bibliography) ED 013 185 RIE February 1968 MF-$0.65; HC-$23.03

Annotated Bibliographies, Junior High Schools, Reading, Senior High Schools

An annotated bibliography and the text of important papers on junior and senior high school reading, published in the yearly Association conference proceedings, are presented within 12 categories, including programs, personnel, methods and grouping, reading skills, materials, content areas, interests, and tests, diagnosis and treatment of reading difficulties, and others.

68-102 RE
Summers, Edward G. **Recent Doctoral Dissertation Research in Reading** *ERIC/CRIER Reading Review Series, Volume 1, Bibliography 2,* September 1967. 221p. (Annotated Bibliography) ED 012 693 RIE January 1968 MF-$0.65; HC-$9.87

Abstract Bibliographies, Bibliographies, Reading Research, Doctoral Dissertations

A list, arranged alphabetically by author, records 379 dissertations completed since 1960 in the areas of preschool, elementary, secondary, college, and adult reading. An abstract for each investigation includes information about procedures, design and conclusions. Each entry supplies complete bibliographic data.

68-103 RE
Summers, Edward G. **To Monitor or Not To Monitor: Decisions in the Retrieval of Reading Research Journal Literature** *ERIC/CRIER Reading Review Series, Volume 1,* March 1968. 40p. (Review Paper) ED 017 439 RIE August 1968 MF-$0.65; HC-$3.29

Reading Research, Research Reviews (Publications)

Analysis of the published literature network for reading research and identification of core, peripheral, and high frequency journals are made in terms of research article production. Decision factors, other than quantity, in selecting journals for monitoring are explored and recommendations are made as to what journals should be monitored.

68-104 RE
Summers, Edward G.; Laffey, James L. **Doctoral Dissertations in Reading in Secondary School and College** *Journal of Reading,* v2, pp.605-608, 662-674, May 1968. 17p. (Annotated Bibliography)

Reading, Research, Doctoral Theses

An annotated bibliography of doctoral research reported in Dissertation Abstracts for 1965 is presented. The annotations, prepared by the ERIC Clearinghouse on Reading, include a statement of the problem, procedures, research design, findings, and conclusions.

68-105 RE
Summers, Edward G.; And Others **Published Research Literature in Reading, 1900-1949** March 1968. 496p. (Annotated Bibliography) ED 013 970 RIE April 1968 MF-$0.65; HC-$16.45

Annotated Bibliographies, Reading Research

Arranged alphabetically in yearly segments are 2,857 citations and annotations on published reading research literature taken from the annual summaries of reading research prepared by the Reading Research Center of the University of Chicago. Complete bibliographic data are given for the journal sources of studies covering the complete reading spectrum.

68-106 RE
Summers, Edward G.; And Others **Published Research Literature in Reading, 1950-1963** November 1967. 398p. (Annotated Bibliography) ED 012 834 RIE February 1968 MF-$0.65; HC-$13.16

Annotated Bibliographies, Reading Research

Arranged alphabetically in yearly segments are 1,913 citations and annotations on published research literature in reading from the annual summaries of reading research prepared by the Reading Research Center of the University of Chicago. Research covering all aspects of reading in preschool through adult age groups is included.

68-107 RE
Summers, Edward G.; And Others **Published Research Literature in Reading, 1964-1966** March 1968. 180p. (Annotated Bibliography) ED 013 969 RIE April 1968 MF-$0.65; HC-$6.58

Annotated Bibliographies, Reading Research

Eight hundred and forty-nine citations and annotations on published reading research literature from the annual summaries of reading research prepared by the Reading Research Center of the University of Chicago are arranged alphabetically. Research covering all aspects of reading, as well as preschool through adult age groups, is included.

68-108 RC
Anderson, James G.; Johnson, William H. **Sociocultural Determinants of Achievements Among Mexican American Students** March 1968. 45p. (Research Report) ED 017 394 RIE August 1968 MF-$0.65; HC-$3.29

Culture, English (Second Language), Language Arts, Spanish Americans, Mexican Americans

This report attempts to identify unique characteristics of Mexican American families that may affect the educational achievement of their children. The results suggest that proper design of educational programs may help improve the academic performance of many Mexican American children.

68-109 RC
Angel, Frank **Program Content to Meet the Educational Needs of Mexican Americans** March 1968. 21p. (Review Paper) ED 017 392 RIE August 1968 MF-$0.65; HC-$3.29

Culture, Educational Needs, English (Second Language), Mexican Americans

This paper suggests that development of five program areas is essential if the Mexican American is to experience an adequate education. These areas are English as a second language, cognitive development, affective development, inter-group relations, and occupational education.

68-110 RC
Charles, Edgar B. **The Effect of Rurality on the Education of Rural Youth** June 1968. 8p. (Review Paper) ED 019 171 RIE October 1968 MF-$0.65; HC-$3.29

Rural Education, Rural Schools, Rural Urban Differences, Rural Youth, Surveys

This paper attempts to define rurality and those elements of rurality which are advantageous to rural education. The disadvantage of decreasing farm jobs can be overcome by broader technical-vocational offerings, adequate counseling services, and better prepared teachers.

68-112 RC
Charles, Edgar B., comp. **Youth in Rurality, A Bibliography** August 1967. 19p. ED 025 337 RIE May 1969 MF-$0.65; HC-$3.29

Bibliographies, Migrant Education, Migrant Youth, Rural Education, Rural Youth

This bibliography lists documents concerning rural youth. Approximately 200 items are listed, ranging in dates from 1954 through 1967.

68-113 RC
Charles, Edgar B., ed. **Mexican American Education, A Bibliography** March 1968. 28p. (Annotated Bibliography) ED 016 562 RIE July 1968 MF-$0.65; HC-$3.29

Annotated Bibliographies, Bibliographies, Mexican Americans, Education

This annotated bibliography lists 90 books, monographs, journal articles, and unpublished papers on the education of Mexican Americans. The documents are dated from 1958 to 1967, and cover preschool, elementary, secondary, higher, adult, and migrant education.

68-114 RC
Gromatzky, Irene **Consumer Education for Mexican Americans** March 1968. 19p. (Review Paper) ED 016 563 RIE July 1968 MF-$0.65; HC-$3.29

Consumer Economics, Mexican Americans, Money Management

This paper presents overviews of three projects designed to provide consumer education to Mexican Americans. It is felt that these programs are contributing to a family stability through more adequate consumer competence.

68-115 RC
Smith, Marguerite **English as a Second Language for Mexican Americans** March 1968. 22p. (State of the Art Paper) ED 016 560 RIE July 1968 MF-$0.65; HC-$3.29

Academic Achievement, Cultural Interrelationships, English (Second Language), Linguistics, Mexican Americans

This paper suggests that planning an English as a second language curriculum should involve a clear understanding of the academic and cultural objectives to be met. Included are poems, games, songs, and structural oral drills for grade 1, as well as suggested areas of curricular importance for grades 2-8.

68-116 RC
Ulibarri, Horacio **Educational Needs of the Mexican American** March 1968. 21p. (Review Paper) ED 016 538 RIE July 1968 MF-$0.65; HC-$3.29

Educational Needs, Mexican Americans

This paper examines elements in Mexican American culture that often preclude occupational success, and suggests that educational remedy may lie in a broadened program development which includes socio-cultural factors, small classes, well-prepared teachers, and adequate financial support.

68-117 RC
Wilson, Herbert B. **Evaluation of the Influence of Educational Programs on Mexican Americans** March 1968. 25p. (State of the Art Paper) ED 016 561 RIE July 1968 MF-$0.65; HC-$3.29

Education, Educational Programs, Evaluation, Incidental Learning, Mexican Americans

This paper explores problems connected with the evaluation of the influence of educational programs on Mexican Americans. Consideration is given to objectives of the formal school program and to the influence of informal education.

68-118 SE
Achievement *Science Education Information Report, General Bibliography Series, Number 5,* December 1967. 34p. ED 015 878 RIE June 1968 MF-$0.65; HC-$3.29

Ability Grouping, Academic Achievement, Biology, Chemistry, College Science, Critical Thinking, Elementary School Science, Evaluation, Instruction, Physics, Secondary School Science

This bibliography lists general bibliographic information and descriptors for those documents (of the first 2,000 processed by the clearinghouse) that related to academic achievement. Included are documents that contain analyses of growth or change in the intellectual, social, emotional, and physical behavior as a result of the instructional program.

68-119 SE
Curriculum *Science Education Information Report, General Bibliography Series, Number 4,* December 1967. 120p. ED 017 473 RIE August 1968 MF-$0.65; HC-$6.58

Able Students, Chemistry, College Science, Conservation Education, Curriculum, Curriculum Development, Curriculum Guides, Disadvantaged Youth, Earth Science, Elementary School Science, Geology, International Education, Physical Sciences, Physics, Science Course Improvement Project, Secondary School Science, Teacher Education, Teaching Guides, Outdoor Education

This bibliography lists general bibliographic information and descriptors for those documents (of the first 2,000 processed by the clearinghouse) that related to curriculum. Included are documents related to processes, activities, and materials for studying, evaluating, and improving facets of the educational program involving science. Descriptions of programs are also included.

68-120 SE
Equipment and Materials *Science Education Information Report, General Bibliography Series, Number 3,* December 1967. 61p. ED 015 880 RIE June 1968 MF-$0.65; HC-$3.29

Audiovisual Aids, Biology, Chemistry, College Science, Earth Science, Elementary School Science, Films, Laboratory Manuals, Laboratory Equipment, Physics, Programed Instruction, Science Activities, Science Equipment, Science Materials, Secondary School Science, Textbooks

This bibliography lists general bibliographic information and descriptors for those documents (of the first 2,000 processed by this clearinghouse) that related to science equipment and materials and instructional materials. Documents describing or evaluating science apparatus, science textbooks and other printed matter, films, and models are included.

68-121 SE
Evaluation, Educational Objectives, Learning Theories and Processes, Research Methodology *Science Education Information Report, General Bibliography Series, Number 9,* May 1968. 33p. ED 021 774 RIE January 1969 MF-$0.65; HC-$3.29
Educational Objectives, Educational Research, Evaluation, Learning, Science Education
This bibliography lists general bibliographic information and descriptors for those documents (of the first 2,000 processed by the clearinghouse) and related to evaluation, educational objectives, learning theories and processes, and research methodology.

68-122 SE
Instructional Procedures *Science Education Information Report, General Bibliography Series, Number 1,* December 1967. 64p. ED 015 877 RIE June 1968 MF-$0.65; HC -$3.29
Academic Achievement, Audiovisual Aids, Biology, Chemistry, College Science, Critical Thinking, Elementary School Science, Films, Physical Sciences, General Education, Instruction, Physics, Problem Solving, Programed Instruction, Secondary School Science, Teacher Education, Teaching Methods
This bibliography lists general bibliographic information and descriptors for those documents (of the first 2,000 processed by this clearinghouse) that related to instructional procedures. Documents describing or evaluating methods, procedures, and techniques for teaching and learning science are included.

68-123 SE
Legislative Acts and Reports, Administration and Supervision, Science Facilities *Science Education Information Report, General Bibliography Series, Number 8,* May 1968. 14p. ED 021 766 RIE January 1969 MF-$0.65; HC-$3.29
Administration, Bibliographies, Legislation, Science Facilities, Supervision
This bibliography lists general bibliographic information and descriptors for those documents (of the first 2,000 processed by the clearinghouse) that related to legislative acts and reports influencing science programs and personnel, administration and supervision of science programs, and science facilities.

68-124 SE
Outdoor Education Program Descriptions *SEJAC Newsletter,* v1 n3, pp.2-14, April 1968. 15p. (Directory) ED 020 916 RIE December 1968 MF-$0.65; HC-$3.29
Conservation Education, Directories, Elementary School Science, Outdoor Education, Secondary School Science
This publication presents a description of over 90 outdoor education programs with activities related to science education. Representative programs are included from most states in the United States.

68-125 SE
Science and Society, History of Science Education, Science History, General Studies and Surveys *Science Education Information Report, General Bibliography Series, Number 7,* May 1968. 29p. ED 021 771 RIE January 1969 MF-$0.65; HC-$3.29
Bibliographies, Science Education History, Science History
This bibliography lists general bibliographic information and descriptors for those documents (of the first 2,000 processed by the clearinghouse) that related to interrelationships of the scientific enterprise with other institutions in society, historical development of science and science education, and broad studies of different aspects of science education.

68-126 SE
Teacher Characteristics, Student Characteristics *Science Education Information Report, General Bibliography Series, Number 10,* May 1968. 17p. ED 021 773 RIE January 1969 MF-$0.65; HC-$3.29
Bibliographies, Science Teachers, Teacher Characteristics, Student Characteristics
This bibliography lists general bibliographic information and descriptors for those documents (of the first 2,000 processed by the clearinghouse) that related to behaviors and characteristics of science teachers and science students.

68-127 SE
Teacher Education *Science Education Information Report, General Bibliography Series, Number 2,* December 1967. 45p. ED 015 879 RIE June 1968 MF-$0.65; HC-$3.29
Biology, Chemistry, College Science, Curriculum Development, Earth Science, Educational Programs, Elementary School Science, Physics, Program Descriptions, Program Evaluation, Secondary School Science, Teacher Education
This bibliography lists general bibliographic information and descriptors for those documents (of the first 2,000 processed by this clearinghouse) that related to teacher education. Documents describing preservice and inservice programs, evaluations of these programs, and materials developed for such programs are included.

68-128 SE
Teacher Resource Materials *Science Education Information Report, General Bibliography Series, Number 6,* May 1968. 91p. ED 021 772 RIE January 1969 MF-$0.65; HC-$3.29
Bibliographies, Resource Materials
This bibliography lists general bibliographic information and descriptors for those documents (of the first 2,000 processed by the clearinghouse) that related to teacher reference materials, descriptions of instructional aids, teacher tips, and selected bibliographies in science areas.

68-130 TE
Petty, Walter T.; And Others **A Summary of Investigations Relating to the English Language Arts, Elementary and Secondary, 1966** *Elementary English,* v44 n4, pp.392-401, 430, April 1967; v44 n5, pp.492-517, May 1967; *English Journal,* v56 n5, pp.681- 696, May 1967. 56p. (Review Paper) ED 015 921 RIE June 1968 MF-$0.65; HC-$3.29
Annotated Bibliographies, English Instruction, Language Arts, Research Reviews (Publications)
This is a collection of summary reviews of 151 English language arts investigations. The elementary section includes all research reported in journals between January and December, 1966. The secondary section includes only empirical, systematic investigations on the English teacher and English curriculum, literature, reading, English skills, composition, and general semantics.

68-131 TE
Scannell, William J., ed. **Annotated List of Recommended Elementary and Secondary Curriculum Guides in English, 1967** November 1967. 28p. (Annotated Bibliography) ED 014 490 RIE April 1968 MF-$0.65; HC-$3.29
Curriculum Guides, Elementary Grades, English Instruction, Secondary Grades
Thirty-nine elementary and secondary English guides, recommended by NCTE'S Committee to Review Curriculum Guides, are listed and evaluated herein. Annotations include availability and prices of the guides. The Committee's criteria and rating scale are appended. The guides included were reviewed during 1965-67.

68-132 FL
Birkmaier, Emma Marie; Lange, Dale L. **A Selective Bibliography on the Teaching of Foreign Languages, 1920-1966** *Foreign Language Annals,* v1 n4, pp.318-353, May 1968. 36p. ED 024 293 RIE April 1969 MF-$0.65; HC-$3.29
Bibliographies, FLES, Higher Education, Language Instruction, Secondary Schools
This classified bibliography may be considered a prologue to the "ERIC Annual Bibliography on the Teaching of Foreign Languages" which began its coverage for 1967 and is scheduled to appear annually in the May issue of Foreign Language Annals. Editors evaluated more than 90 percent of the 1,255 documents cited, and the remainder were included because they were evaluated in four or more of previously published major bibliographical sources.

68-133 FL
Brooks, Nelson **Teaching Culture in the Foreign Language Classroom** *Foreign Language Annals,* v1 n3, pp.204-217, March 1968. 14p. (Review Paper) ED 022 388 RIE February 1969 MF-$0.65; HC-$3.29
Classroom Techniques, Educational Objectives, Foreign Culture, Language Instruction
This paper attempts to define and describe culture in terms meaningful to teachers of foreign languages, especially in earlier phases of instruction. A dual interpretation of culture is recommended, both scientific and humanistic. An outline of each is sugested. Ways of applying these recommendations in classroom procedure are set forth.

68-134 FL
Harmon, John T., ed. **Annual Bibliography on the Teaching of Foreign Languages-1967** *Foreign Language Annals,* v1 n1, pp.85-86, October 1967; v1 n2, pp.178-181, December 1967; v1 n3, pp.270-280, March 1968; v1 n4, pp.371-387, May 1968. 61p. (Bibliography) ED 021 152 RIE January 1969 MF-$0.65; HC-$3.29
Bibliographies, Language Instruction, Language Learning Levels, Modern Languages
This is the first modern annual bibliography in this area. It includes publications on applied linguistics, physiology and psychology of language learning, analysis and teaching of the cultural and cross-cultural context, teaching the foreign literature, curricular problems and developments, teacher education and qualifications, materials and equipment, methods, testing, and classics.

68-135 FL
Nelson, Bonnie E., ed. **A Description of Graduate Programs in English at 18 Universities** March 1968. 118p. ED 017 536 RIE August 1968 MF-$0.65; HC-$6.58
Degree Requirements, Doctoral Degrees, English, Masters Degrees, Program Descriptions
Descriptions are given for new Ph. D. programs proposed at Indiana University and Carnegie Mellon University and instituted at the University of New Mexico. Brief statements summarize the requirements for both master's and doctoral degrees at Brandeis University, University of California (Davis), University of California (Los Angeles), University of Louisville, Ohio State University, Washington State University, Washington University (St. Louis), and University of North Dakota. Ph. D. programs only at State University of New York (Albany), and State University of New York (Buffalo) are described.

68-136 FL
Nelson, Bonnie E., ed. **A First Report on Graduate Programs in English** March 1968. 48p. ED 017 533 RIE August 1968 MF-$0.65; HC-$3.29
Degree Requirements, Doctoral Degrees, English, English Programs, Masters Degrees
The report contains descriptions of current graduate programs in English, special programs which might be of interest to the department chairmen, and changes in graduate degree requirements which have recently taken place or will take place in the fall of 1968. This initial survey of 39 institutions offering Ph. D. and 28 offering the M.A. only provides current information about the direction of graduate training in English. Most of the report describes recent innovations or changes in existing doctoral programs which reflect the discussions of the Ph. D. held in 1966 and 1967. Shorter version published in ADE Bulletin, 17:23-30, May 1968.

68-137 FL
Nelson, Bonnie E., ed. **Masters Programs in English at the University of Kentucky, University of Minnesota, Southwest Missouri State College, Western Michigan University, and Wisconsin State University** March 1968. 31p. ED 017 535 RIE August 1968 MF-$0.65; HC-$3.29
Degree Requirements, English, English Programs, Masters Degrees, Program Content
Some of the basic data assembled for the full report (available as ED 017 533) are the five descriptions of Master of Arts programs contained in this document. The courses and requirements for the University of Kentucky, University of Minnesota (Duluth), Southwest Missouri State College, and Western Michigan University are described briefly. A detailed description of a proposal for the master's degree in English at Wisconsin State University (Eau Claire), comprises a third of the document.

68-138 FL
Nelson, Bonnie E., ed. **Programs for the Master of Arts in Teaching with a Major in English at the University of Idaho, University of New Mexico, and University of Vermont** March 1968. 16p. ED 017 534 RIE August 1968 MF-$0.65; HC-$3.29
Degree Requirements, Degrees (Titles), English Education, Masters Degrees, Program Descriptions
Some of the basic data assembled for the full report (available as ED 017 534) are the three basic descriptions of Master of Arts in Teaching (MAT) programs contained in this document. A revised proposal for the MAT with a major in English at the University of Idaho outlines the objectives and courses for this degree. The major portion of the document consists of Committee Recommendations for Degree Program Leading to the Master of Arts in the Teaching of English at the University of New Mexico.

68-139 VT
Abstracts of Instructional Materials in Vocational and Technical Education (AIM) Fall 1967. 185p. (Annotated Bibliography) ED 013 337 RIE February 1968 MF-$0.65; HC-$6.58
Annotated Bibliographies, Instructional Materials, Technical Education, Vocational Education
The availability of instructional materials acquired and processed by the ERIC Clearinghouse on Vocational and Technical Information is announced in this quarterly publication.

68-140 VT
Abstracts of Instructional Materials in Vocational and Technical Education, (AIM), Winter 1967 195p. (Annotated Bibliography) ED 015 336 RIE May 1968
Annotated Bibliographies, Instructional Materials, Technical Education, Vocational Education
The availability of instructional materials acquired and processed by the ERIC Clearinghouse on Vocational and Technical Information is announced in this quarterly publication.

68-141 VT
Abstracts of Instructional Materials in Vocational and Technical Education (AIM) Spring 1968. 197p. (Annotated Bibliography) ED 017 745 RIE August 1968 MF-$0.65; HC-$6.58
Annotated Bibliographies, Instructional Materials, Technical Education, Vocational Education
The availability of instructional materials acquired and processed by the ERIC Clearinghouse on Vocational and Technical Education is announced in this quarterly publication.

68-143 VT
Abstracts of Research and Related Materials in Vocational and Technical Education (ARM) Fall 1967. 209p. ED 013 336 RIE February 1968 MF-$0.65; HC-$9.87
Bibliographies, Educational Research, Vocational Education, Technical Education
Research and research related materials acquired and processed by the Clearinghouse for Vocational and Technical Education are classified by topical areas (e.g. administration and supervision, employment and occupations, evaluation and measurement, etc.) Each report is also indexed by personal and institutional author, major subjects and identifiers, and vocational or supporting services.

68-144 VT
Abstracts of Research and Related Materials In Vocational and Technical Education (ARM) Winter 1967. 180p. ED 015 335 RIE May 1968 MF-$0.65; HC-$6.58
Annotated Bibliographies, Educational Research, Technical Education, Vocational Education
Research and research related materials acquired and processed by the Clearinghouse for Vocational and Technical Education are classified by topical areas (e.g. administration and supervision, employment and occupations, evaluation and measurement, etc.) Each report is also indexed by personal and institutional author, major subjects and identifiers, and vocational or supporting services.

68-145 VT
Abstracts of Research and Related Materials in Vocational and Technical Education (ARM) Spring 1968. 180p. ED 016 875 RIE July 1968 MF-$0.65; HC-$6.58
Annotated Bibliographies, Educational Research, Technical Education, Vocational Education
Research and research related materials acquired and processed by the Clearinghouse for Vocational and Technical Education are classified by topical areas (e.g. administration and supervision, employment and occupations, evaluation and measurement, etc.) Each report is also indexed by personal and institutional author, major subjects and identifiers, and vocational or supporting services.

68-146 VT
Abstracts of Research and Related Materials in Vocational and Technical Education (ARM) Summer 1968. 281p. (Abstract Publications) ED 019 525 RIE October 1968 MF-$0.65; HC-$9.87
Annotated Bibliographies, Educational Research, Technical Education, Vocational Education
Research and research related materials acquired and processed by the Clearinghouse for Vocational and Technical Education are classified by topical areas (e.g. administration and supervision, employment and occupations, evaluation and measurement, etc.) Each report is also indexed by personal and institutional author, major subjects and identifiers, and vocational or supporting services.

68-147 VT
American Vocational Association, Washington, D.C. **Research Visibility, 1967-1968; Reports on Selected Research Studies in Vocational, Technical and Practical Arts Education** June 1968. 150p. ED 020 302 RIE November 1968 MF-$0.65; HC-$6.58
Bibliographies, Educational Research, Research Reviews (Publications), Vocational Education
Reports on selected research studies in vocational, technical and practical arts education. These reports originally appeared in the nine monthly "Research Visibility" sections of the American Vocational Journal, v42 n6-9 (September-December 1967) and v43 n1-5 (January-May 1968).

68-148 VT
Garbin, Albeno P.; And Others **Worker Adjustment: Youth In Transition From School to Work. An Annotated Bibliography of Recent Literature** *Bibliography 2,* June 1968. 143pp. (Annotated Bibliography) ED 021 070 RIE December 1968 MF-$0.65; HC-$6.58
Annotated Bibliographies, Research Reviews (Publications), Vocational Adjustment, Youth Problems
The 165 annotations present the purpose, methodology, and findings of empirical studies and general summaries of nonempirical works in the area of major sociopsychological problems faced by youth (16 to 25 years old) in making the transition from school to work.

68-149 VT
Lee, Sylvia L.; And Others **Implications of Women's Work Patterns for Vocational And Technical Education** October 1967. 36p. (Annotated Bibliography) ED 016 826 RIE July 1968 MF-$0.65; HC-$3.29
Annotated Bibliographies, Labor Force, Vocational Education, Womens Education, Working Women
This bibliography should be helpful to those who are planning vocational and technical education programs which prepare women for employment.

69-001 AC
Abstracts of Papers Presented to the National Seminar on Adult Education Research, February 11-13, 1968 in Chicago September 1968. 30p. ED 024 001 RIE April 1969 MF-$0.65; HC-$3.29
Abstracts, Adult Education, Research
Abstracts are presented of 23 research papers in adult education which were given at the National Seminar on Adult Education Research.

69-002 AC
Adult Learning Characteristics *Current Information Sources, Number 21,* November 1968. 49p. (Annotated Bibliography) ED 024 014 RIE April 1969 MF-$0.65; HC-$3.29
Adult Learning, Annotated Bibliographies
This annotated bibliography dealing with adult learning characteristics contains 82 indexed and abstracted entries, mostly from 1966-1968, under these headings: Mental and Perceptual Abilities, Personality and Social Role Factors, and Bibliographies.

69-003 AC
Continuing Education of Women *Current Information Sources, Number 22,* December 1968. 80p. (Annotated Bibliography) ED 028 340 RIE September 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, Womens Education
This annotated bibliography dealing with the continuing education of women contains 143 indexed and abstracted entries, mostly from 1965-1968, under these headings: (1) Sex differences in mental ability and achievement, (2) Social role related interests and needs, (3) Employment related interests and needs, (4) Programs and participation, and (5) Women's education in foreign countries.

69-004 AC
Cooperative Extension *Current Information Sources, Number 20,* November 1968. 64p. (Annotated Bibliography) ED 024 002 RIE April 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, Leadership Training, Rural Extension
This annotated bibliography dealing with cooperative extension contains 109 indexed and abstracted entries, mostly from 1966-1968, dealing with administrative organization and management, training and staff development for extension workers, organization of people to participate in extension, volunteer local leaders, program content, general effectiveness, teaching methods, and bibliographies.

69-005 AC
Public School Adult Education *Current Information Sources, Number 19,* August 1968. 27p. (Annotated Bibliography) ED 023 992 RIE April 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, Participant Characteristics, Program Administration, Program Guides, Public School Adult Education
This annotated bibliography dealing with training and retraining of adults and out of school youth contains 36 indexed and abstracted entries dated 1965-1968 dealing with program administration, training programs, program descriptions and guides, participants, statistics and data, historical studies and other reports.

69-006 AC
Anderson, Darrell; Niemi, John A. **Adult Education and the Disadvantaged Adult** April 1969. 111p. (Review Paper) ED 029 160 RIE October 1969 MF-$0.65; HC-$6.58
Adult Education, Disadvantaged Groups
This literature review was limited mainly to research reports on remedial adult educational programs. The concern of the study was to examine the role of education in altering the personal and social characteristics of disadvantaged adults.

69-007 AC
DeCrow, Roger **Cross Cultural Interaction Skills: A Digest of Recent Training Literature** February 1969. 78p. (Review Paper) ED 029 159 RIE October 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, Cross Cultural Training, Interaction, Literature Reviews, Training Techniques [Peace Corps]
This review of the literature of innovative programs and new methods of training for cross cultural skills in interpersonal interaction contains a bibliography with 48 abstracts of documents mostly from 1966-1968, a topical digest with elaborate quotations, and an index to documents.

69-008 AC
DeCrow, Roger, ed.; Grabowski, Stanley, ed. **Research and Investigations in Adult Education** 1968 Annual Register. 90p. (Annotated Bibliography) ED 023 993 RIE April 1969 MF-$0.65; HC-$3.29
Abstracts, Adult Education, Research Reviews (Publications)
This register includes abstracts of 253 research studies in adult education which have been completed and reported since the previous compilation in 1967. There is an author index and numerous cross references.

69-009 AC
DeCrow, Roger **Scope of Continuing Education** *Continuing Education*, v2 n1, pp.5,9,15, January 1969. 3p. (Journal Article)
Continuing Education, Professional Continuing Education
This article outlines the dimensions of the development of continuing or life-long education, including the scope of continuing education and its relation to management and the professions.

69-010 AC
Glick, Barry, ed. **Counseling and Personnel Services in Adult Education** *Current Information Sources, Number 23.*, February 1969. 51p. (Annotated Bibliography) ED 029 234 RIE October 1969 MF-$0.65; HC-$3.29
Adult Education, Annotated Bibliographies, Counseling Services, Student Personnel Services
This annotated bibliography dealing with counseling and personnel services in adult education contains 94 indexed and abstracted entries, most of which are from 1966-1968, arranged under four headings: (1) Student Personnel Services, (2) Counseling Services, (3) Admissions and Selection, and (4) Retention and Dropout, Financial Assistance.

69-011 AC
Glick, Barry **Counseling in Adult Education** *Continuing Education for Adults*, n136, pp.1-6, May 1969. 6p. (Review Paper)
Adult Counseling, Adult Education, Counseling Services
This literature review examines the nature of counseling the adult and some examples of counseling services in adult education

69-012 AC
Grabowski, Stanley M. **Adult Education Information at Syracuse University** *Journal of International Congress of University Adult Education*, v7 n3, pp.34-39, December 1968. 6p. (Journal Article)
Adult Education, Information Dissemination, Management
This article explains the roles and functions of the Library of Continuing Education (LCE) and the ERIC Clearinghouse on Adult Education (ERIC/AE) as they pertain to the maintainance and administration of the collection of adult education documents at Syracuse University.

69-013 AC
Grabowski, Stanley M. **Education for Aging** *Adult Leadership*, v17 n9, pp.390-391, March 1969. 2p. (Journal Article)
Adult Education Programs, Adult Learning, Older Adults, Retirement
This article cites examples of literature pertaining to the education for aging processed by ERIC/AE in the areas of learning abilities and characteristics of older people, training programs, and pre-retirement and retirement education.

69-014 AC
Grabowski, Stanley M. **Religious Adult Education and Community Involvement** *Adult Leadership*, v17 n5, pp.253-254, November 1968. 2p. (Journal Article)
Adult Education, Religious Agencies, Religious Education
This article cites examples of literature, processed by ERIC/AE, pertaining to community improvement by religious agencies.

69-015 AC
Grabowski, Stanley M. **Sample Literature About Volunteer Agencies** *Adult Leadership*, v18 n2, pp.63-64, June 1969. (Journal Article)
Voluntary Agencies, Volunteer Training, Clearinghouses, Information Needs
This article cites examples of literature pertaining to volunteer training processed by ERIC/AE in the areas of staff training, participation, evaluation, and program descriptions or aids.

69-016 AC
Ohliger, John **The Mass Media in Adult Education: A Review of Recent Literature** November 1968. 130p. (Review Paper) ED 024 907 RIE May 1969 MF-$0.65; HC-$6.58
Adult Education, Annotated Bibliographies, Educational Trends, Mass Media
This review of recent literature in the mass media in adult education outlines the general trends in the uses of the mass media, and examines individual media as well as their use in the various areas of adult education. References in the text comprise the bibliography consisting of 120 titles, most of which have abstracts.

69-017 CG
Mann, Inez, ed. **CAPS Capsule, Volume 2, Number 1** Fall 1968. 28p. (Bulletin) ED 027 568 RIE August 1969 MF-$0.65; HC-$3.29
College Students, Student College Relationship, Student Personnel Services
The main bulletin article concerns aspects of the "new student" having implications for higher education and student personnel services. Possible models of the student personnel worker role are described. Reactions to this article and discussions of the new student follow. The Joint Statement on the Rights and Freedoms of Students is presented. New ERIC materials related to school-student interaction and to student climate are listed.

69-018 CG
Mann, Inez K., ed. **CAPS Capsule, Volume 2, Number 2** Winter 1968. 25p. (Bulletin) ED 028 494 RIE September 1969 MF-$0.65; HC-$3.29
Cultural Disadvantagement, Disadvantaged Environment, Information Dissemination, Publications, Question Answer Interviews
Devoted to "disadvantaged", this issue of CAPS Capsule features an interview with Dr. Edmund Gordon. He discusses disadvantagedness, those behaviors characteristic of disadvantaged populations, problems involved in standardized objective testing, and his thoughts on the role of the counselor in working with disadvantaged groups. Also included are reactions to Dr. Gordon's article "Research Generalizations on Disadvantagedness" and a bibliography of ERIC reports relevant to this topic.

69-019 CG
Miller, Juliet V., ed. **Integrated Personnel Services Index, Volume 1, Number 1** June 1969. 363p. (Annotated Bibliography) ED 030 006 RIE November 1969 MF-$0.65; HC-$13.16
Annotated Bibliographies, Bibliographies, Personnel, Publications, Student Personnel Services
The Integrated Personnel Services Index (IPSI) is a new series developed by CAPS. Included in this first issue are 1396 resumes of ERIC reports, doctoral dissertations, journal articles and books for a six month period. Also included are subject and author indexes and information on obtaining the documents which are announced. This publication is a semi-annual one available from ERIC Clearinghouse on Counseling and Personnel Services, 611 Church Street, Ann Arbor, Michigan 48104 (Annual subscription, $9.00 for two issues; single copy $4.95).

69-020 CG
Hechlik, John E., comp. **Elementary School Counseling and Guidance** *CAPS Current Resources Series*, July 1968. 167p. (Annotated Bibliography) ED 023 146 RIE March 1969 MF-$0.65; HC-$6.58
Elementary School Counseling, Elementary School Students, Information Sources, Research Reviews (Publications)
Resumes of the selected literature on elementary school guidance and counseling are presented. The literature dealing with elementary guidance and counseling stresses developmental and preventative procedures for optimizing the learning opportunities and the personal development of elementary school children. The abstracted materials are indexed by subject and author. Procedures for obtaining complete documents are explained.

69-021 CG
Miller, Juliet V. **Student Behavior and Climate** *CAPS Current Resources Series.*, December 1968. 60p. (Annotated Bibliography) ED 025 825 RIE June 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, Educational Environment, Educational Research, Environmental Influences
This publication is intended to alert the user to a body of research which examines the nature of emotional climates and environments, and the relationship of various environments to student achievement, attitudes, and behaviors. This index indentifies research reports which have been recently reported either in the Education Resources Information Center (ERIC) system, the CAPS center collection or in Dissertation Abstracts.

69-022 CG
Urbick, Thelma M. **Helping Procedures for Use With the Disadvantaged** *CAPS Current Resources Series*, November 1968. 157p. (Annotated Bibliography) ED 025 815 RIE June 1969 MF-$0.65; HC-$6.58
Annotated Bibliographies, Counseing Effectiveness, Cultural Disadvantagement, Disadvantaged Youth, Student Personnel Work
Disadvantagedness is known by many names including socially handicapped, culturally deprived, educationally disadvantaged, minority groups, etc. The abstracts and annotations in this publication focus primarily on the sociological and psychological characteristics of disadvantaged populations and areas of prime concern to student personnel workers. Selections were drawn from Research in Education, Dissertation Abstracts, Psychological Abstracts, and the ERIC/CAPS collection.

69-023 CG
Walz, Garry R.; Lee, James, L. **Funded Personnel Services Research: Patterns and Trends.** *Personnel and Guidance Journal*, v47 n10, pp.970-974, June 1969. 5p. (Review Paper)
Educational Research, Researchers, Student Personnel Services, Research Needs, Literature Reviews
Completed and on-going research projects in the personnel services funded by the Office of Education were analyzed regarding the topics investigated, geographical area in which the research was being done, agencies receiving the grant, and the frequency of different research designs and statistical analyses. A number of questions are raised for consideration in the discussion and conclusions.

69-024 CG
Walz, Garry; Miller, Juliet **School Climates and Student Behavior: Implications For Counselor Role** *Personnel and Guidance Journal*, v47 n9, pp.859-867, May 1969. 8p. (Review Paper)
Student Behavior, School Environment, Counselor Role, Educational Research, Student Subcultures
The current research on the study of school climates is described, as are the implications of this research for counselor role. After an extensive review of nine methodologies for studying school climate, possible applications of these research findings by the counselor are suggested.

69-025 UD
Language Development in Disadvantaged Children: An Annotated Bibliography August 1968. 86p. ED 026 414 RIE June 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, Child Development, Disadvantaged Youth, Language Development, Language Research
The works cited represent approaches for understanding the language development of disadvantaged children. The subjects covered are bilingualism and dialectology, developmental influences (ethnic, family and home, instructional, and social and economic) and developmental status and processes (behavioral, intellectual, and language). Some references are reviews of research, bibliographies, or conference proceedings.

69-026 UD
Barnes, Regina **A Selected ERIC Bibliography on Teaching Ethnic Minority Group Children in the United States of America** *ERIC-IRCD Urban Disadvantaged Series, Number 4,* March 1969. 26p. (Bibliography) ED 027 360 RIE July 1969 MF-$0.65. HC-$3.29
American Indians, Mexican Americans, Negro Youth, Puerto Ricans, Teaching Techniques
This bibliography lists ERIC documents which provide information on teaching minority group children. It is divided into five sections: the first contains general studies of the problems of educating minority groups, and the other four deal separately with teaching American Indians, Mexico-American, Negro and Puerto Rican children.

69-027 UD
Birch, Herbert G. **Health and Education of Socially Disadvantaged Children** 1967. 54p. (State-of-the-Art-Paper) ED 013 283 RIE February 1968 MF-$0.65; HC-$3.29
Disadvantaged Youth, Educational Retardation, Health, Research
A review of health problems (prenatal, perinatal) among children of disadvantaged backgrounds is presented.

69-028 UD
Bynum, Effie M. **A Selected ERIC Bibliography on Pre-College Preparation of Students from Disadvantaged Backgrounds** *ERIC-IRCD Urban Disadvantaged Series, Number 7,* May 1969. 30p. (Bibliography) ED 029 069 RIE September 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, College Bound Students, College Preparation, Disadvantaged Youth
This bibliography lists documents which are specifically related to pre-college preparation of students from disadvantaged backgrounds. It is organized into three sections: educational planning, description of programs and practices, and research and evaluation, and is compiled from selected reports in the ERIC system, covering the period from 1965 through April 1969.

69-029 UD
Flaxman, Erwin **A Selected Bibliography on Teacher Attitudes** *ERIC-IRCD Urban Disadvantaged Series, Number 1,* January 1969. 23p. (Bibliography) ED 027 357 RIE July 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, Disadvantaged Youth, Inservice Teacher Education, Teacher Attitudes, Teacher Background
This bibliography presents the findings of studies identifying the racial and social attitudes of the middle-class urban teacher, inservice teacher education programs conducted to change negative teacher attitudes

69-030 UD
Goldberg, Gertrude S.; And Others **Poverty and Employment** *IRCD Bulletin,* v5 n2, pp.1-15, March 1969. 15p. (Review Paper)
Economic Disadvantagement, Poverty Programs, Vocational Education
The issue contains two articles on poverty and employment. The first paper reviews current anti-poverty strategies. The second questions the education demanded for a given job, and refers to a negative relationship between education and jobs, as measured by productivity, personnel turnover, and worker satisfaction.

69-031 UD
Gordon, Edmund W.; And Others **Decentralization and Educational Reform** *IRCD Bulletin,* v4 n5 and v5 n1, pp.1-19, November 1968-January 1969. 19p. (Review Paper) ED 025 580 RIE May 1969 MF-$0.65; HC-$3.29
Black Power, Community Schools, Decentralization, Public Schools, Teacher Strikes
The articles in this double issue deal with the proposed decentralization of the New York City school system, the conflict in the fall of 1968 between the decentralized Ocean Hill-Brownsville demonstration school district and the United Federation of Teachers. Summaries of the positions of various governmental and professional organizations are included.

69-032 UD
Holland, Nora **A Selected ERIC Bibliography on the Education of Urban American Indian and Mexican American Children** *ERIC-IRCD Urban Disadvantaged Series, Number 5,* April 1969. 22p. (Bibliography) ED 029 935 RIE October 1969 MF-$0.65; HC-$3.29
American Indians, Annotated Bibliographies, Children, Mexican Americans, Urban Education
The selected bibliography on American Indian and Mexican American children in urban schools contains abstracts of 36 documents. 2 themes in the writings about these minority groups are noted. One trend stresses concern about assimilation and the acculturation process, while another theme stresses the need for bilingual schooling.

69-033 UD
Jablonsky, Adelaide **A Selected ERIC Bibliography on Individualizing Instruction** *ERIC-IRCD Urban Disadvantaged Series, Number 2,* January 1969. 36p. (Bibliography) ED 027 358 RIE July 1969 MF-$0.65; HC-$3.29
Disadvantaged Youth, Individual Instruction, Individualized Curriculum
This bibliography lists documents dealing specifically with individual instruction for disadvantaged students. They are organized by instructional level, and within these sections reports dealing specifically with reading and language arts are listed separately. There is also a section of guidelines for program development and general discussions of individual instruction.

69-034 UD
Lopate, Carol; And Others **Some Effects of Parent and Community Participation on Public Education** *ERIC-IRCD Urban Disadvantaged Series, Number 3,* February 1969. 50p. (Review Paper) ED 027 359 RIE July 1969 MF-$0.65; HC-$3.29
Decentralization, Decision Making, Individual Power, Parent Participation, School Community Relationship
This review paper on school decentralization points out that it has been consistently demonstrated that participation in the decision making process results in positive changes in both the affective and instrumental behavior of participants. Studies show that parent involvement in the schools enhances children's development and academic achievement.

69-035 UD
St. John, Nancy H. **Minority Group Performance Under Various Conditions of School Ethnic and Economic Integration: A Review of Research.** May 1968. 64p. (State-of-the-Art Paper) ED 021 945 RIE January 1969 MF-$0.65; HC-$3.29
Academic Achievement, Negro Students, Research Methodology, School Integration, Socioeconomic Status
This paper reviews research studies on the relation of school ethnic and socioeconomic composition to the academic performance of Negro children. Pertinent findings from studies using four different types of research designs are reported. Also discussed is the methodological import of school quality and family background as independent variables.

69-036 UD
Stodolsky, Susan S.; Lesser, Gerald S. **Learning Patterns in the Disadvantaged** 1967. 72p. (State-of-the-Art Paper) ED 012 291 RIE December 1967 MF-$0.65; HC-$3.29
Disadvantaged Youth, Educational Research, Educational Strategies, Ethnic Groups, Learning, Social Class
This paper reviews the research on learning patterns in the disadvantaged, and is concentrated on the study of learning patterns of four different ethnic groups.

69-037 UD
Tannenbaum, Abraham J. **The School Dropout Today** *IRCD Bulletin,* v4 n4, September 1968. 6p. (Review Paper) ED 028 209 RIE August 1969 MF-$0.65; HC-$3.29
Dropout Characteristics, Dropout Research, Dropouts, Failure Factors
This issue is focussed on the problems of the school dropout, and includes an extensive bibliography grouped under various headings. For the full paper from which this is an excerpt, see ED 021 888, RIE January 1969.

69-038 UD
Zigler, Edward **Social Class and the Socilization Process: A Review of Research** October 1968. 53p. (Review Paper) ED 026 415 RIE June 1969 MF-$0.65; HC-$3.29
Child Rearing, Research Reviews (Publications), Social Differences, Socialization
This review of research contains summaries of studies offering sociogenic explanations for the behavior of members of different social classes, reviews of studies of social class differences in child rearing practices, and reviews of studies which stress the continuing nature of socialization through the adult years.

69-039 PS
Early Childhood Education: Bibliography August 1968. 11p. (Bibliography) ED 022 544 RIE February 1969 MF-$0.65; HC-$3.29
Bibliographies, Books, Early Childhood Education
This document is a bibliography of 124 professional books on all aspects of early childhood education. They were selected by U.S. OMEP National Committee members.

69-040 PS
Early Childhood Selected Bibliographies Series. Number 1, Physical September 1968. 25p. (Bibliography) ED 022 532 RIE February 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, Physical Characteristics, Physical Development
An annotated bibliography on the physical aspects of early childhood education, this document includes divisions on genetics, sensory-motor processes, and growth. The 15 abstracts are classified by general and specific subject, by focus of study, and alphabetically by author.

69-041 PS
Early Childhood Selected Bibliographies Series. Number 2, Language September 1968. 47p. (Bibliography) ED 022 538 RIE February 1969 MF-$0.65; HC-$3.29
Abstracts, Annotated Bibliographies, Early Childhood Education, Language
An annoutated bibliography on language aspects of early childhood education. This document includes divisions on phonology and speech, grammar, vocabulary, functions of language, and verbal learning. The 38 abstracts are classified by general and specific subject, by focus of study, and alphabetically by author.

69-042 PS
Early Childhood Selected Bibliographies Series. Number 3, Education October 1968. 29p. (Bibliography) ED 022 546 RIE February 1969 MF-$0.65; HC-$3.29
Abstracts, Annotated Bibliographies, Child Rearing, Early Childhood Education, Educational Problems
An annotated bibliography on educational aspects of early childhood education, this document includes divisions on child-rearing practices, school performance, and effects of nursery school and day care. The 11 abstracts are classified by general and specific subject, by focus of study, and alphabetically by author.

69-043 PS
Early Childhood Selected Bibliographies Series. Number 4, Cognition October 1968. 116p. (Bibliography) ED 023 488 RIE March 1969 MF-$0.65; HC-$6.58
Abstracts, Annotated Bibliographies, Child Development, Early Childhood, Early Childhood Education
An annotated bibliography on cognitive aspects of early childhood education, this document includes divisions on intelligence, higher mental processes, cognitive style, experimental studies of learning, concept development, perception and recognition, and motivation. The 72 abstracts are classified by general and specific subject, by focus of study, and alphabetically by author.

69-044 PS
Early Childhood Selected Bibliographies Series. Number 5, Social November 1968. 66p. (Bibliography) ED 024 472 RIE April 1969 MF-$0.65; HC-$3.29
Abstracts, Annotated Bibliographies, Early Childhood Education, Social Development
An annotated bibliography on social aspects of early childhood education, this document includes divisions on interpersonal relations, sex-role identification, and social reinforcement. The 45 abstracts are classified by general and specific subject, by focus of study, and alphabetically by author.

69-045 PS
Early Childhood Selected Bibliographies Series. Number 6, Personality January 1969. 29p. (Bibliography) ED 024 475 RIE April 1969 MF-$0.65; HC-$3.29
Abstracts, Annotated Bibliographies, Early Childhood Education, Personality
A bibliography on personality aspect of early childhood education, this document includes divisions on basic temperamental and motivational traits, attitude, and ego functioning. The fifteen abstracts are classified by general and specific subject, by focus of study, and alphabetically by author.

69-046 PS
Miller, James O. **Diffusion of Intervention Effects In Disadvantaged Families** December 1968. 29p (Occasional Paper) ED 026 127 RIE June 1969 MF-$0.65; HC-$3.29
Diffusion, Experimental Programs, Family Programs, Intervention, Preschool Programs
This paper assumes that environmental inadequacy is the primary factor leading to progressive intellectual retardation. Analysis of psychometric data on three groups indicated that children whose mothers participated as teachers in an intervention program were superior in all comparisons to children whose parents had no contact with the training center.

69-047 PS
Miller, James O. **Review of Selected Intervention Research with Young Children** January 1969. 24p. ED 027 091 RIE July 1969 MF-$0.65; HC-$3.29
Behavioral Science Research, Early Childhood Education, Intervention, Research Reviews (Publications)
Reviewing long term and short term research on intervention, this paper suggests future research should be approached cautiously but with optimism. Priority should be given to the behavior of the interpersonal environmental agent (behavioral requirements are outlined) interacting with the child and mediating between the child and the physical environment.

69-048 PS
O'Donnell, Carolyn, comp. **Head Start CRIB. Childhood Research Information Bulletin: Selected Resumes of Early Childhood Research Reports. Bulletin Number 1.** Spring 1969. 55p. (Bulletin) ED 025 318 RIE May 1969 MF-$0.65; HC-$3.29
Abstracts, Culturally Disadvantaged, Preschool Children, Research, Technical Reports [Head Start]
A compilation of 57 abstracts of current research related to Head Start, this document reports on ethnic factors, evaluation of Head Start programs, community influence, teacher effectiveness, bilingual concentration, audiovisual equipment, physical facilities, parent involvement, and followup studies.

69-049 PS
Spencer, Mima, comp. **Teacher Characteristics: Bibliography** June 1969. 51p. (Bibliography) ED 029 716 RIE October 1969 MF-$0.65; HC-$3.29
Abstracts, Annotated Bibliographies, Teacher Characteristics
This annotated bibliography on teacher characteristics contains resumes of 82 documents relevant to the teacher or to her relationship with pupils or colleagues. Most of the documents pertain to teachers of preschool or primary children.

69-050 PS
Thomson, Nancy **Head Start on Health** March 1969. 47p. (Guide) ED 027 972 RIE August 1969 MF-$0.65; HC-$3.29
Health Education, Health Guides, Preschool Children, Teaching Guides [Head Start]
This booklet contains hints, tips, and supplementary suggestions on health and safety for the less experienced preschool teacher. Maintaining health, safety, physical development and nutrition, and community and parent participation in health and safety programs are subjects covered.

69-051 EA
Eidell, Terry L., comp.; Klebe, John A., comp. **Annotated Bibliography on the Evaluation of Educational Programs** November 1968. 19p. (Bibliography) ED 025 857 RIE June 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, Educational Programs, Evaluation Methods, Program Evaluation
This annotated bibliography lists 64 books, pamphlets, papers, and journal articles published between 1964 and 1968 on the evaluation of educational programs on the elementary, secondary, and higher education levels.

69-052 EA
Hall, John S., comp. **Selected Bibliography on Student Activism in the Public Schools** *Bibliography Series, Number 12,* April 1969. 11p. (Bibliography) ED 027 644 RIE August 1969 MF-$0.65; HC-$3.29
Activism, Bibliographies, Public Schools, Secondary Schools, Student Participation
This bibliography on student activism in the public schools lists 86 books, pamphlets, and articles, most of which were published since 1967.

69-053 EA
Nolte, M. Chester, comp. **Bibliography of School Law Dissertations 1952-1968** *Bibliography Series, Number 13,* April 1969. 43p. (Bibliography) ED 027 646 RIE August 1969 MF-$0.65; HC-$3.29
Bibliographies, Collective Bargaining, Educational Finance, Doctoral Theses, School Law
503 dissertations on school law are listed under 25 major subject categories, with author's name, full dissertation title, institutional source, and date of completion cited for each entry. References to Dissertation Abstracts are made where applicable.

69-054 EA
Piele, Philip K., comp.; Hall, John S., comp. **Administrator Techniques in Collective Negotiations: A Guide to Recent Literature** *Bibliography Series, Number 11,* April 1969. 23p. (Bibliography) ED 027 643 RIE August 1969 MF-$0.65; HC-$3.29
Administrative Personnel, Annotated Bibliographies, Collective Negotiation, Techniques
This annotated bibliography contains 44 entries dealing with various administrator techniques used in collective negotiations with teacher organizations. An outline-index provides access to specific topics covered by the entries.

69-055 EA
Piele, Philip, comp. **Annotated Bibliography on Educational Administrator Preparation Programs** October 1968. 9p. (Bibliography) ED 023 198 RIE March 1969 MF-$0.65; HC-$3.29
Administrative Personnel, Annotated Bibliographies, Educational Programs, Preservice Education, Inservice Education
This annotated bibliography lists 36 documents published since 1962 which describe or propose programs for the inservice or preservice preparation of educational administrators.

69-056 EA
Smith, Stuart C., comp. **Organizations in Educational Administration: A Directory of Information Sources** July 1968. 40p. (Directory) ED 021 343 RIE January 1969 MF-$0.65; HC-$3.29
Directories, Educational Administration, Information Sources, Organizations (Groups), Research and Development Centers
The Directory lists 102 organizations conducting research or service work in educational administration. Each listing includes the organization's name and address, policy for supplying informational material, geographical area served, and specific subject areas. A subject index of over 200 terms is cross-referenced with the organizational listing.

69-057 EA
Trulove, William Thomas, comp. **Annotated Bibliography on Private Financing of Higher Education** November 1968. 13p. (Bibliography) ED 024 157 RIE April 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, Developmental Programs, Financial Support, Higher Education, Private Financial Support
This annotated bibliography contains selected documents dealing with most aspects of voluntary private support for higher education by foundations, business firms, alumni, and individuals, plus fund raising by colleges and universities. The entries cover the period since 1960 for books and dissertations and, since 1963, for articles.

69-058 EA
Whitney, Howard, comp.; Piele, Philip, comp. **Annotated Bibliography on Yearround School Programs** October 1968. 10p. ED 023 199 RIE March 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, Cost Effectiveness, Educational Quality, Extended School Year, Year Round Schools
This annotated bibliography is a selected listing of 11 books and pamphlets, 3 dissertations, and 31 articles on year-round school programs published since 1962.

69-059 EF
Green, Alan C. **Environment for Learning: The 1970's** March 1969. 20p. (Occasional Paper) ED 029 461 RIE October 1969 MF-$0.65; HC-$3.29
Architectual Programing, Educational Environment, Educational Innovation, Learning
The presentation breifly discusses the activities and concerns of EFL and elaborates on the learning environment of the 1970's. Building programming and significant developments in educational environment and philosophy are discussed. Environment includes topics such as large and small group instructional space, common areas, classroom design, facility suites, vocational education facilities, modular scheduling, libraries, resource centers, open plan schools, school renovation, etc.

69-060 EF
Hartman, Michael **The Luminous Environment of the Classroom. A Selected and Annotated Bibliography** 1968. 17p. (Bibliography) ED 024 250 RIE April 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, Classroom Environment, Environmental Criteria, Illumination Levels, Lighting
A presentation of an environmental reference source for architects and designers includes separate listings of 19 short overview articles and 43 documents with an implicit specification orientation toward classroom lighting is given.

69-061 EF
Hartman, Robert R. **Thermal Environment in School Facilities. A Selected and Annotated Bibliography** 1968. 28p. (Bibliography) ED 024 252 RIE April 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, Educational Facilities, Thermal Environment
Contained in this bibliography is a selected and annotated listing of source material concerning the thermal environment in school facilities. Topical coverage includes the thermal environment and learning, physiological factors in the thermal environment, heating-ventilating and air-conditioning in the classroom, and additional considerations in planning and thermal environment.

69-062 EF
Hetzel, Walter; And Others **Legal Aspects Of Educational Facilities** March 1969. 80p. (Occasional Paper) ED 029 460 RIE October 1969 MF-$0.65; HC-$3.29
Conference Reports, Construction (Process), Educational Finance, Legal Problems, Legal Responsibility
Transcriptions of papers presented during a conference at the ERIC Clearinghouse on Educational Facilities are provided. Legal aspects of construction, operating facilities, long term and current financing, as well as a section on liability are presented.

69-063 EF
Kramer, Roger M. **Student Housing. A Selected and Annotated Bibliography** 1968. 28p. (Bibliography) ED 025 136 RIE May 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, College Housing, Dormitories, Housing Needs, Institutional Environment
Subject area coverage is broken down into 4 major sections-planning, financing and operation, which deals with the inherent problems in student housing; student housing and environmental implications, both socially and psychologically, on students as individuals and in groups; interior design and equipment; and student housing case studies.

69-064 EF
Kramer, Roger M. **The Use of Carpeting in the School: A Selected and Annotated Bibliography** 1968. 18p. (Bibliography) ED 025 135 RIE May 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, Building Materials, Carpeting, Classroom Environment, Flooring
This annotated bibliography is divided into 5 areas-facility case studies, carpeting maintenance and selection, carpeting and acoustics, carpeting and economics, and carpeting types and comparisons.

69-065 EF
McIsaac, Donald N.; And Others **Time-Management Planning For Educational Facilities** March 1969. 35p. (Occasional Paper) ED 029 462 RIE October 1969 MF-$0.65 HC-$3.29
Communications, Computers, Construction (Process), Critical Path Method, Planning [PERT]
This document contains 3 papers concerned with systems analysis and time-management planning. The first paper is concerned with techniques, especially the application of the "critical path method" or PERT in planning construction activities. The second paper concerns problems associated with collecting and communicating knowledge about educational facilities. The third paper discusses the advantages of time-management planning.

69-066 EF
Murtha, D. Michael **Systematic Methods in School Planning and Design: A Selected and Annotated Bibliography** 1968. 43p. (Bibliography) ED 024 251 RIE April 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, Architectual Programing, Design Needs, Methodology, School Design
This bibliography provides a selection of technical reports, journal articles and books on various aspects of systematic methods for school planning and design. The subject areas include the design process in terms of practice, theory, methods, decision systems, and computer applications. Criteria for design with subsections include design research, research studies, design criteria, human factors, and modular construction.

69-067 EF
North, Stewart D. **Considerations in the Development and Use of Facilities for Independent Study: A State-of-the-Art Paper** September 1968. 26p. (State-of-the-art Paper) ED 022 358 RIE February 1969 MF-$0.65; HC-$3.29
Independent Study, Individual Study, Study Centers, Study Facilities
An overview containing introduction, definition of terms, developmental activity spaces, environment for independent study, and unanswered questions, is provided. A selected bibliography of recent citations, 1957-1967, including references useful to the planning and designing of space for independent study is grouped under the following subject areas: philosophy and background, facilities, equipment, material, pupil and staff, design, and general.

69-068 EF
Wakefield, Howard E. **Construction Costs of Educational Facilities: An Annotated Reference List.** November 1968. 58p. (Bibliography) ED 024 258 RIE April 1969 MF-$0.65; HC-$3.29
Abstracts, Bibliographies, Construction Costs, Educational Facilities, Indexes (Locaters)
This annotated reference list of documents received and processed by the ERIC Clearinghouse on Educational Facilities is concerned with construction costs of facilities at all levels of education. Each document is indexed and abstracted.

69-069 EF
Wakefield, Howard E. **The Design and Construction of Libraries and Study Facilities: An Annotated Reference List.** November 1968. 30p. (Bibliography) ED 024 254 RIE April 1969 MF-$0.65; HC-$3.29
Abstracts, Bibliographies, Educational Facilities, Indexes (Locaters), Libraries
This annotated reference list of documents received and processed by the ERIC Clearinghouse on Educational Facilities is concerned with the construction of libraries and study facilities. All levels of education are covered and each document is indexed and abstracted.

69-070 EF
Wakefield, Howard E.; North, Stewart D. **The Design, Development and Administration of Educational Facilities-A Conceptual Framework** February 1969. 25p. (State of the Art Paper) ED 029 463 RIE October 1969 MF-$0.65; HC-$3.29
Conceptual Schemes, Design, Educational Administration, Educational Specifications, Environment
Presented are 3 outlines prepared by an ERIC Clearinghouse to assist in the classification of subject matter in the field of educational facilities. The first outline contains elements of the educational environment which are related to facilities. Finally there is a description of the ERIC system and the activities of ERIC/CEF.

69-071 EF
Wakefield, Howard E. **Educational Specifications: An Annotated Reference List** November 1968. 54p. (Bibliography) ED 024 257 RIE April 1969 MF-$0.65; HC-$3.29
Abstracts, Bibliographies, Educational Facilities, Educational Specifications, Indexes (Locaters)
This annotated reference list of documents received and processed by the ERIC Clearinghouse on Educational Facilities is concerned wholly or partially with the preparation and/or use of educational specifications on both the higher education and primary-secondary school level. Each document is indexed and abstracted.

69-072 EF
Wakefield, Howard E. **Evaluating Educational Facilities: An Annotated Reference List** November 1968. 33p. (Bibliography) ED 024 256 RIE April 1969 MF-$0.65; HC-$3.29
Abstracts, Bibliographies, Educational Facilities, Evaluation, Indexes (Locaters)
This annotated reference list of documents received and processed by the ERIC Clearinghouse on Educational Facilities is concerned with evaluation, utilization, and guidelines for educational facilities. All levels of education are covered and each document is indexed and abstracted.

69-073 EF
Wakefield, Howard E. **Flexible educational facilities: An Annotated Reference List** November 1968. 32p. (Bibliography) ED 025 143 RIE May 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, Building Design, Educational Facilities, Flexible Classrooms, Flexible Facilities
Presented is an annotated reference list of documents received and processed by the ERIC Clearinghouse on Educational Facilities. References includes secondary school design, plans, lighting, domes, demographic factors, college experimental learning centers, fine arts center, and library design.

69-074 EF
Wakefield, Howard E. **Locating Educational Facilities: An Annotated Reference List** November 1968. 54p. (Bibliography) ED 024 255 RIE April 1969 MF-$0.65; HC-$3.29
Abstracts, Bibliographies, Educational Facilities, Indexes (Locaters), School Location
This annotated reference list of documents received and processed by the ERIC Clearinghouse on Educational Facilities is concerned wholly or partially with school and facilities location and site selection. All levels of education are covered and each document is indexed and abstracted.

69-075 EF
Wakefield, Howard E. **The Maintenance of Educational Facilities: An Annotated Reference List** November 1968. 30p. (Bibliography) ED 024 253 RIE April 1969 MF-$0.65; HC-$3.29
Abstracts, Bibliographies, Educational Facilities, Indexes (Locaters), Maintenance
This annotated reference list of documents received and processed by the ERIC Clearinghouse on Educational Facilities is concerned wholly or partially with equipment or school maintenance. All levels of education are covered and each document is indexed and abstracted.

69-076 EF
Wakefield, Howard E. **Safety Factors in Educational Facilities: An Annotated Reference List** November 1968. 31p. (Bibliography) ED 025 142 RIE May 1969 MF-$0.65; HC-$3.29
Accident Prevention, Annotated Bibliographies, Educational Facilities, Safety, School Safety
Presented is an annotated reference list of documents received and processed by the ERIC Clearinghouse on Educational Facilities. Included in addition to several general planning handbooks are topics related to stairways, air structures, site planning, lighting, bidding practiecs, physically handicapped, laboratory design, mobile classrooms, fallout protection, and fire protection.

69-077 EF
Wakefield, Howard E. **Standards for Educational Facilities: An Annotated Reference List** November 1968. 28p. (Bibliography) ED 025 141 RIE May 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, Educational Facilities, Equipment Standards, Standards, State Standard
An annotated reference list of documents received and processed by the ERIC Clearinghouse on Educational Facilities, using the index terms "standards" and "state standards," is presented. The documents cover health and safety, lighting, construction and mechanical systems, and carpeting, including provisions for lunchrooms, educational television, laboratories, mobile classrooms, and physical education.

69-078 EM
Chu, Godwin C.; Schramm, Wilbur **Learning From Television; What The Research Says** December 1967. 222p. (Review Paper) ED 014 900 RIE May 1968 MF-$0.65; HC-$9.87
Attitudes, Instructional Television, Learning, Research Reviews (Publications), Students
The authors present a broad survey of research on the effects of instructional television and list 300 sources, concluding that television can be an efficient tool of learning and teaching.

69-079 EM
Dale, Edgar; Trzebiatowski, Gregory **A Basic Reference Shelf on Audio-Visual Instruction** *A Series 1 Paper from ERIC at Stanford,* August 1968. 20p. (Annotated Bibliography) ED 029 491 RIE October 1969 MF-$0.65; HC-$3.29
Annotated Bibliography, Audiovisual Instruction
Following a sizable philosophical introduction, twenty-three key sources of information dealing with various aspects of teaching with audio-visual materials are listed.

69-080 EM
Layer, Harold A. **Ethnic Studies and Audiovisual Media: A Listing and Discussion** *An Occasional Paper from ERIC at Stanford,* June 1969. 12p. (Annotated Bibliography) ED 031 091 RIE December 1969. MF-$0.65; HC-$3.29
Audiovisual Aids, Cultural Background, Ethnic Groups, Instructional Materials, Ethnic Studies
This media list of films, tapes, and records provides a selection of 250 titles concerned with historical as well as present realities of non-white Americans. A discussion on conflicting philosophies of teaching ethnic studies precedes the listing.

69-081 EM
Siebert, Fred S. **An Analysis of University Policy Statements on Instructional Recordings and Their Re-Use** *An Occasional Paper from ERIC at Stanford*, 1968. 10p. (Review Paper) ED 023 310 RIE March 1969 MF-$0.65; HC-$3.29
Audiovisual Aids, College Faculty, School Policy, Staff Utilization, Teacher Developed Materials
The author surveys and compares general policies of 20 colleges and universities on the uses of recorded instructional materials. (duplicate to 68-060 EM).

69-082 EM
Sovereign, Michael G. **Costs Of Educational Media Systems** *A Series 2 Occasional Paper from ERIC at Stanford*, June 1969. 41p. (Comprehensive Cost Study) ED 031 092 RIE December 1969 MF-$0.65; HC-$3.29
Cost Effectiveness, Estimated Costs, Instructional Television, Resource Allocations
This abridgement of the first 2 volumes of "Cost Study of Educational Media Systems and their Equipment Components" provides methods of estimating costs and recommendations of ways to cut them.

69-083 EM
Wade, Serena E. **Individualized Instruction: An Annotated Bibliography** *A Series 1 Paper from ERIC at Stanford*, December 1968. 22p. (Bibliography) ED 029 519 RIE October 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, Educational Policy, Individualized Instruction
With emphasis on system requirements for individualized instruction, the author summarizes thirty sources of materials dealing with policy, application, and operation considerations. Various media uses are emphasized.

69-084 EM
Wade, Serena E.; Jablonsky, Adelaide **Media and the Disadvantaged-A Review of the Literature** March 1969. 26p. (Review Paper) ED 027 741 RIE August 1969 MF-$0.65; HC-$3.29
Audiovisual Instruction, Compensatory Education, Culturally Disadvantages, Instructional Technology, Research Reviews (Publications)
This review of literature on the uses of media to assist in the education of disadvantaged children and adults also features a critique and marginal commentary.

69-085 EM
Zinn, Karl L. **A Basic Reference Shelf on Interactive Use of Computers For Instruction** *A Series 1 Paper from ERIC at Stanford*, September 1968. 21p. (Annotated Bibliography) ED 025 155 RIE May 1969 MF-$0.65; HC-$3.29
Computer Assisted Instruction, Computer Oriented Programs, Interaction, Information Sources, Reference Materials
The paper introduces the reader to 50 sources of currently available information on computer applications in education.

69-087 EC
A Selected Bibliography: Curriculum, Unit and Activity Guides *Teaching Exceptional Children*, v1 n2, pp.55-62, Winter 1969. 8p. (Bibliography)
Curriculum Guides, Exceptional Children, Exceptional Child Education, Instructional Materials
This is a 32-abstract bibliography with a topic index. The introduction provides information on how to obtain copies of the items through the ERIC Document Reproduction Service.

69-088 EC
Exceptional Child Education Abstracts, Volume 1, Number 1 April 1969. 122p. (Abstract Publication) HC-Available from the Council for Exceptional Children, Jefferson Plaza, Suite 900, 1411 South Jefferson Davis Highway, Arlington, Virginia 22202 (Annual subscription: $50.00 for the first basic subscription; additional supplementary subscriptions: $25.00 each.)
Exceptional Child Education, Periodicals
This is a quarterly publication containing abstracts computer stored at the CEC Information Center. The first issue contains 500 abstracts. An author index, a subject index, and a general classification index enable the reader to locate abstracts on specific topics. Subject indexes cumulate for each issue in a given volume.

69-093 EC
Teaching Exceptional Children Fall 1968. 32p. (Journal) HC-Aavilable from the Council for Exceptional Children, Jefferson Plaza, Suite 900, 1411 South Jefferson Davis Highway, Arlington, Virginia 22202 (Annual subscription: U.S.A. and Canada, $5.00; PUAS countries, $5.50; other countries, $6.00)
Exceptional Child Education, Special Education, Periodicals
This is a quarterly journal containing articles on methods and materials for use in the special education classroom, aimed at translating research results into classroom methods and procedures.

69-094 EC
Teaching Exceptional Children Winter 1969. 32p. (Journal) HC-Available from the Council for Exceptional Children, Jefferson Plaza, Suite 900, 1411 South Jefferson Davis Highway, Arlington, Virginia 22202 (Annual subscription: U.S.A. and Canada, $5.00; PUAS countries, $5.50; other countries, $6.00)
Exceptional Child Education, Special Education, Periodicals
This is a quarterly journal containing articles on methods and materials for use in the special education classroom, aimed at translating research results into classroom methods and procedures.

69-095 EC
Teaching Exceptional Children Spring 1969. 32p. (Journal) HC-Available from the Council for Exceptional Children, Jefferson Plaza, Suite 900, 1411 South Jefferson Davis Highway, Arlington, Virginia 22202 (Annual subscription: U.S.A. and Canada, $5.00; PUAS countries, $5.50; other countries, $6.00)
Exceptional Child Education, Special Education, Periodicals
This is a quarterly journal containing articles on methods and materials for use in the special education classroom, aimed at translating research results into classroom methods and procedures.

69-097 HE
Higher Education: A Bibliography of Documents Selected From Research in Education, 1968. *General Bibliography, Number 1*, 1969. 77p. (Bibliography) ED 028 309 RIE September 1969 MF-$0.65; HC-$3.29
Bibliographies, Educational Research, Higher Education, Research Reviews (Publications)
The General Bibliography lists 628 documents on higher education abstracted for the 1968 editions of Research in Education (RIE), the U.S. Office of Education's monthly publication. The entries are classified under 12 subject areas. Each includes the issue of RIE in which the abstract appears, price, and where to obtain copies of microfiche and hard copy.

69-098 JC
Boggs, John R. **A Developmental Research Plan For Junior College Remedial Education** 1968. 35p. (Topical Paper) ED 022 479 RIE February 1969 MF-$0.65; HC-$3.29
Institutional Research, Junior Colleges, Motivation, Remedial Programs, Statistical Analysis
This contains some simple, practical research procedures for analyzing remedial-student characteristics. Data can be gathered to answer questions on interrelationships of motivation, performance, effectiveness of instruction, etc. Complete instructions are included for selecting students, administering tests, calculating statistics, and drawing inferences from findings.

69-099 JC
Boggs, John R.; Herrscher, Barton R. **A Developmental Research Plan For Junior College Remedial Education. Number 2: Attitude Assessment** November 1968. 21p. (Topical Paper) ED 026 050 RIE June 1969 MF-$0.65; HC-$3.29
Attitude Tests, Junior Colleges, Research Design
This, the second in a series of research plans for studying remedial education, is a scheme to develop a scale for measuring student attitudes. The four steps in constructing the scale are described in detail, as well as the use of the scale for other groups such as parents, teachers, and vocational students.

69-100 JC
Brawer, Florence B. **Personality Characteristics of College and University Faculty: Implications for the Community College** November 1968. 104p. (Monograph) ED 026 048 RIE June 1969 MF-$0.65; HC-$6.58
Faculty, Junior Colleges, Personality, Placement, Teachers
Viewing the community college as a teaching rather than research-oriented institution, the author analyzes materials that can assist in the selection and placement of junior college faculty and help people involved in the junior college movement to know better what they, themselves, and the movement are about. 20 recommendations are made to specific levels of administration, faculty, and student groups.

69-101 JC
Capper, Michael R.; Gaddy, Dale **Faculty Participation in Junior College Governance** February 1969. 4p. (Review Paper) ED 027 886 RIE August 1969 MF-$0.65; HC-$3.29
College Administration, Faculty Organization, Governance, Junior Colleges, Policy Formation
Increased faculty involvement in junior college governance should minimize conflict and encourage constructive debate. The usual way for faculty to participate in policy formation and implementation is through a faculty senate. The effectiveness of this organization can determine the amount of pressure an institution will receive from external faculty organizations.

69-102 JC
Capper, Michael R.; Gaddy, Dale **Student Personnel Services in The Junior College** *Junior College Research Review*, v3 n10, pp.1-4, June 1969. 4pp. (Review Paper) ED 031 203 RIE December 1969 MF-$0.65; HC-$3.29
Counseling Services, Guidance Services, Junior Colleges, Student Personnel Services
Documents reviewed were descriptions of the functions of student personnel programs rather than assessment of their effects. 6 areas of responsibility (orientation, appraisal, counseling and guidance, activities, regulations, and services) were generally accepted, with overall program administration a possible additional area. Research needs are for more analytical examination of effects.

69-103 JC
Cohen, Arthur M.; Roueche, John E. **Institutional Administrator or Educational Leader?** *The Junior College President*, February 1969. 55p. (Monograph) ED 031 186 RIE December 1969 MF-$0.65; HC-$3.29
Administrator Responsibility, Administrator Role, Junior Colleges, Leadership Responsibility, Presidents
The role of the college president as an educational leader and agent of change is presented in this publication. Contending that the president should be more than a mere institutional manager, the authors urge the president to ask the right questions about his institution's education program. The study is based, in part, on a random sample of 10 per cent of the 912 existing community and junior colleges in 1969.

69-104 JC
Cohen, Arthur M. **Is Anyone Learning to Write?** February 1969. 18p. (Topical paper) ED 030 422 RIE November 1969 MF-$0.65; HC-$3.29
Composition Skills (Literary), Junior Colleges, Models, Research Design [League for Innovation in the Community College]
This is a simple, easy-to-use research scheme to measure change in student composition writing. It is a pre- and post-test design and complete instructions are included for selecting participants, developing a scoring key, checking reliability, choosing topics, implementing the study, etc.

69-105 JC
Cohen, Arthur M.; Brawer, Florence B. **Measuring Faculty Performance** February 1969. 90p. (Monograph) ED 031 222 RIE December 1969 MF-$0.65; HC-$3.29
Effective Teaching, Evaluation Criteria, Junior Colleges, Performance Criteria, Teacher Evaluation
This is an examination of practices of teacher evaluation at several levels of education, particularly the junior college. The authors reached the conclusion that, as currently practiced, teacher

evaluation is a futile exercise. They make recommendations for abandoning teacher evaluation and replacing it with other measures of faculty that may have more value or significance.

69-106 JC
Cohen, Arthur M. **Multi-Media Instructional Programs** *Junior College Research Review*, v3 n5, pp.1-4, January 1969. 4p. (Review Paper) ED 027 885 RIE August 1969 MF-$0.65; HC-$3.29
Institutional Research, Instructional Media, Junior Colleges, Learning Processes, Media Research
The lack of a coordinated research thrust on replicable media in junior college instruction is evident, as there is no such thrust toward any instructional form. A careful design of sequences using media in combinations allowing for maximum effect, and assessment of long- and short-range instructional outcomes are essential.

69-107 JC
Cohen, Arthur M.; Gaddy, Dale **Research Within and Without The Junior College** *Junior College Research Review*, v3 n8, pp.1-16, April 1969. 16p. (Review Paper) ED 030 409 RIE November 1969 MF-$0.65; HC-$3.29
Institutional Research, Junior Colleges, Research
The first paper concludes that the most definitive examinations of the junior college seem to come from outside the field, and a serious lack of professional dialogue exists within the field. The second paper provides summaries of research studies outside the junior college and the implications for junior colleges.

69-108 JC
Connor, Aikin **Is It Really A Better Technique?** March 1969. 21p. (Topical Paper) ED 030 410 RIE November 1969 MF-$0.65; HC-$3.29
Junior Colleges, Program Evaluation, Statistics
This report presents a "cookbook" approach to assist any teacher or researcher not familiar with statistics in comparing performance differences between two classes using group medians. Illustrations are provided for comparing group medians in hypothetical situations in several disciplines (English, math, philosophy, political science).

69-109 JC
Gaddy, Dale; Roueche, John E. **Nursing Education in the Junior College** *Junior College Research Review*, v3 n7, pp.1-4, March 1969. 4p. (Review Paper) ED 027 887 RIE August 1969 MF-$0.65; HC-$3.29
Junior Colleges, Medical Services, Nursing, Subprofessionals, Vocational Education
Research indicates that junior college nursing programs are both adequate for and attractive to many who would not otherwise pursue a nursing career. Graduates typically find their preparation and work orientation satisfactory and plan to remain in the profession. Recruitment and retention of competent faculty are cited as major problems.

69-110 JC
Gaddy, Dale **Planning Junior College Facilities** *Junior College Research Review*, v3 n9, pp.1-4, May 1969. 4p. (Review Paper) ED 031 223 RIE December 1969 MF-$0.65; HC-$3.29
Architects, Building Design, Campus Planning, Facilities, Junior Colleges
In order to provide suitable future facilities, junior college personnel and architects need to increase research efforts in space utilization, site selection and development, the kind and number of facilities needed for average colleges, evaluation of existing facilities, management and maintenance of facilities, and incorporation of innovative educational techniques in facilities.

69-111 JC
Gaddy, Dale **Student Activism and the Junior College Administrator: Judicial Guidelines** December 1968. 53p. (Topical Paper) ED 026 039 RIE June 1969 MF-$0.65; HC-$3.29
Activism, Demonstrations (Civil), Junior Colleges, Legal Responsibility, Speeches
This analysis of student activism, militancy, or agitation presents specific examples, court decisions, general principles derived from these specifics, and recommendations for administrators and students who are concerned about the legal status of their behavior.

69-112 JC
Herrscher, Barton R. **The Assessment of Junior College Environments** *Junior College Research Review*, v3 n4, pp.1-4, December 1968. 4p. (Review Paper) ED 026 049 RIE June 1969 MF-$0.65; HC-$3.29
Educational Environment, Institutional Environment, Junior Colleges
Research-based planning and decision making must replace intuitive administration if the junior college is to attain viability. Researchers are developing sophisticated instrumentation to better discriminate among junior college environments, and the data available from these instruments should facilitate the administrative process by helping determine the effectiveness of stated objectives.

69-113 JC
Johnson, Stuart R. **Students As Teachers** January 1969. 15p. (Topical Paper) ED 026 999 RIE July 1969 MF-$0.65; HC-$3.29
Junior Colleges, Models, Research Methodology, Student Teachers, Teaching Models
This, the fourth in a series presenting paradigms for studying the effects of changed practices in junior colleges offers a unique strategy for changing student attitudes. Presented in simple form is a rationale for teachers to use in designing learning activities that deliberately capitalize on the effects upon students of their attempts to teach (or otherwise influence) other students. Detailed instructions and procedures are included for three different models.

69-114 JC
Kintzer, Frederick C.; And Others **The Mulit-Institution Junior College District** April 1969. 64p. (Monograph) ED 030 415 RIE November 1969 MF-$0.65; HC-$3.29
Administrative Organization, Centralization, Decentralization, Junior Colleges, Multicampus Districts [American Association of Junior Colleges]
Noting that multi-campus junior college districts have begun appearing at unprecendented rates during the 1960's, the authors devote attention primarily to clarifying the relationship between the district office and the colleges within the district. An examination of the theoretical bases of this type of administration is made; authority in the areas of instruction, staff, personnel, student services, business, and other administrative services is studied; case studies of five districts are made; and guidelines and recommendations are presented.

69-115 JC
Lombardi, John **Student Activism in Junior Colleges: An Adminstrator's Views** 1969. 83p. (Monograph) ED 028 767 RIE September 1969 MF-$0.65; HC-$3.29
Activism, Junior Colleges, Student Behavior, Student College Relationship, Student Participation [California]
This is an overview of forms of student activism. Included are such groups as the new left, black students, Mexican-Americans, rightists, National Student Association officers, and others. The history of the student rights movement is traced from the Free Speech Movement to the present. Reactions to student excesses and probable consequences are discussed.

69-116 JC
Mathies, Lorraine **The Junior College Library: An Overview** *Junior College Research Review*, v3 n2, pp.1-4, October 1968. 4p. (Review Paper) ED 027 884 RIE August 1969 MF-$0.65; HC-$3.29
Junior College Libraries, Library Services
Size of collection, size of staff, space, circulation and other process criteria are typically used to evaluate library services. The author feels this practice is analogous to evaluating an instructional program by the number of degrees held by the faculty, and recommends the use of product or outcome criteria.

69-117 JC
Roueche, John E. **Adult Education in the Junior College** *Junior College Research Review*, v3 n3, pp.1-4, November 1968. 4p. (Review Paper) ED 025 240 RIE May 1969 MF-$0.65; HC-$3.29
Adult Education, Community Coordination, Credit Courses, Junior Colleges
A growing emphasis in 2-year colleges is the training and retraining of adults. In response to an increasing level of technology in our society, local employers must be increasingly involved in planning future adult education. Programs need to be both viable and able to accomodate increasing numbers of students.

69-118 JC
Roueche, John E. **Guidance and Counseling** *Junior College Research Review*, v3 n1, pp.1-4, September 1968. 4p. (Review Paper) ED 024 368 RIE April 1969 MF-$0.65; HC-$3.29
Counseling, Guidance, Junior Colleges, Student Personnel Services
Counseling and guidance are of central importance in institutions with open-door admissions policies. Reducing attrition, providing career information, and placing students where they are likely to succeed are primary responsibilities of these services, but the author found little evaluation of their effects, and virtually no evidence of their success.

69-119 LI
Boelke, Joanne **Library Technicians, A Survey of Current Developments** *Review Series, Number 1*, September 1968. 12p. (Review Paper) ED 019 530 RIE November 1968 MF-$0.65; HC-$3.29
Bibliographies, Educational Trends, Employment Trends, Library Education, Library Technicians
This monograph (1) summarizes current activities in this rapidly developing field, (2) presents an overview of the issues and opinions on the subject, (3) identifies the agencies and organizations concerned with library technicians, and (4) lists, in a selective bibliography of forty-three items, significant journal articles and other publications that reflect these trends.

69-120 LI
Copenhaver, Christina; Boelke, Joanne **Library Service to the Disadvantaged: A Bibliography** *Bibliography Series, Number 1*, December 1968. 18p. ED 026 103 RIE June 1969 MF-$0.65; HC-$3.29
Bibliographies, Culturally Disadvantaged, Disadvantaged Groups, Library Programs, Library Services
This selective bibliography covers library services and materials for the culturally, educationally, or economically deprived in the United States and Canada. It includes 365 references to journal and newspaper articles, reports, books, bibliographies, theses, and pamphlets published from 1960 to Fall 1968, with emphasis on materials dated 1965 or later.

69-121 AL
Abboud, Peter F. **The Teaching of Arabic in the United States: The State of the Art** December 1968. 47p. (State-of-the-art Paper) ED 024 051 RIE April 1969 MF-$0.65; HC-$3.29
Arabic, Instructional Materials, Language Instruction, Teaching, Teaching Methods
This paper discusses methods, manpower, materials, and university resources for Arabic language teaching as well as its objectives and the special problems that Arabic presents to Americans. Appended are a selective, annotated list of Arabic teaching materials and a sociolinguistic profile of the Arabic-speaking area.

69-122 AL
Kelley, Gerald B. **The Teaching of Hindi-Urdu in the United States: The State of the Art** November 1968. 24p. (State-of-the-art Paper) ED 023 091 RIE March 1969 MF-$0.65; HC-$3.29
Hindi, Instructional Materials, Language Instruction, Language Programs, Urdu [South Asia]
This paper discusses the scarcity of materials for use in Hindi and Urdu classes beyond the elementary level as well as the needs of students, overseas centers, summer and undergraduate programs, the writing systems, recommended teaching materials, research priorities, and the role of these two languages in South Asia.

69-123 AL
Kocher, Margaret, ed. **1967-68 Selected Bibliography in Linguistics and The Uncommonly Taught Languages** November 1968. 79p. (Bibliography) ED 023 098 RIE March 1969 MF-$0.65; HC-$3.29
Bibliographies, Language Research, Linguistics, Research Reviews (Publications), Uncommonly Taught Languages
This bibliography contains 775 titles of books, articles, bibliographies, and unpublished papers divided into the following sections: bibliographies, collections, general linguistics, psycholinguistics, sociolinguistics, computational linguistics, and uncommonly taught languages. A few entries are given on English for speakers of other languages and English as a standard dialect. An author index is included.

69-124 AL
Labov, William **The Study of Non-Standard English** January, 1969. 75p. (State-of-the-Art Paper) ED 024 053 RIE April 1969 MF-$0.65; HC-$3.29
Classroom Research, Contrastive Linguistics, Nonstandard Dialects, Sociolinguistics, TENL
The author first presents some linguistic and sociolinguistic background and then reviews the relation of non-standard dialects to education. Suggestions are made as to how teachers and educators can make the best use of teaching materials. A 36-item bibliography is included.

69-125 AL
Martin, Samuel E. **On the Teaching of Japanese: The State of the Art** November 1968. 19p. (State-of-the-art Paper) ED 023 086 RIE March 1969 MF-$0.65; HC-$3.29
Japanese, Language Instruction, Teaching Methods, Teaching Programs, Textbook Evaluation
The author describes the development of teaching materials and programs in Japanese in the United States. His evaluation of major texts is followed by a suggested list of materials suitable for various levels of study. Current college-level course needs are discussed, and programs for materials preparation and teacher training are described.

69-126 AL
Roberts, A. **International Information Flow in Linguistics** *Linguistic Reporter*, v10 n6, pp.1-3, December 1968. 3p. (State-of-the-Art Paper) ED 024 015 RIE April 1969 MF-$0.65; HC-$3.29
Information Dissemination, Information Systems, Interdisiplinary Approach, International Programs, Linguistics [Information Flow]
This paper presents results of a survey and analysis of the field of the language sciences being conducted by the Center for Applied Linguistics to determine the operational and technical requirements needed for an information system for the field. The author discusses the duplication of efforts and areas which need developing.

69-127 AL
Wrenn, James J. **Chinese Language Teaching in the United States: The State of the Art** August 1968. 38p. (State-of-the-art Paper) ED 020 525 RIE December 1968 MF-$0.65; HC-$3.29
Chinese, Language Instruction, Surveys, Teachers, Textbook Evaluation
This survey discusses the scarcity of qualified Chinese language scholars and teachers. Suggestions for future teacher development include supplementing classroom work with self-instructional materials, developing small intensive language and teacher training centers, and concentrating teacher time on students with the most potential.

69-128 RE
Artley, A. Sterl **Trends and Practices in Secondary School Reading: A Report on Recent Research** 1968. 143p. (Report) ED 024 560 RIE April 1969 MF-$0.65; HC available from International Reading Association, 6 Tyre Avenue, Newark, Delaware 19711. ($3.00 to members; $3.50 to non-members.)
Reading Research, Research Reviews (Publications), Secondary Grades
Information is presented from more than 180 studies on (1) secondary school reading achievement, (2) status factors related to growth in reading, (3) progress of reading instruction, (4) instructional procedures, (5) student reading interests, and (6) secondary reading personnel preparation.

69-129 RE
Burton, Jane, comp.; Harris, Larry A., comp. **Research on Elementary Reading: Reading Readiness** *ERIC/CRIER Reading Review Series, Volume 2, Bibliography 15*, March 1969. 124p. (Review Paper) ED 029 163 RIE October 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, Beginning Reading, Reading Readiness, Reading Research
Research on reading readiness is reported in 2 sections. In Part 1, 1950 onward, abstracts are given; in Part 2, 1900-1949, brief annotations are included. Citations in both parts are listed alphabetically by author. A broad definition of "reading readiness" was used, so as to benefit as many researchers as possible.

69-130 RE
Dunn, Mary K.; Harris, Larry A., comps. **Research on Elementary Reading: Word Recognition.** *ERIC/CRIER Reading Review Series, Volume 2, Bibliography 17*, June 1969. 119p. (Review Paper) ED 028 310 RIE September 1969 MF-$0.65; HC-$6.58
Annotated Bibliographies, Reading Instruction, Reading Research, Word Recognition
This bibliography contains citations of documents selected under a broad definition of "word recognition." The first section contains citations since 1950; abstracts are included. The second section gives brief annotations on documents published from 1900-1949.

69-131 RE
Farr, Roger; Summers, Edward G. **Guide To Tests and Measuring Instruments For Reading** December 1968. 97p. (Guide) ED 022 973 RIE March 1969 MF-$0.65; HC-$3.29
Group Norms, Reading Readiness Tests, Reading Research, Reading Tests, Test Selection
This guide lists reading tests by name, grade or age level, type (group or individual), data on norm population, names of subtests, numbers of forms, publication date, revision date, authors, publisher, and time necessary. There is no evaluation of tests. An index is provided to those tests which have been used in reading research reported in the ERIC/CRIER basic references.

69-132 RE
Harris, Larry A. **Guide to Materials For Reading Instruction** September 1968. 277p. (Guide) ED 019 528 RIE November 1968 MF-$0.65; HC-$9.87
Elementary School Students, Instructional Materials, Reading Materials, Resource Guides, Secondary School Students
This guide lists those published instructional materials submitted by publishers, including basal reading materials, materials developed to teach specific reading skills, workbooks, programmed texts, etc. Only "soft" materials are included. Materials are classified but not evaluated.

69-133 RE
Harris, Larry A., comp. **Research on Reading in the Content Fields: Language Arts and Literature** *ERIC/CRIER Reading Review Series, Volume 2, Bibliography 11*, September 1968. 227p. (Review Paper) ED 024 539 RIE April 1969 MF-$0.65; HC-$9.87
Content Reading, Language Arts, Literature, Reading Research
This bibliography contains abstracts (from 1950 onward) and annotations (before 1950) of documents reporting research on reading in the fields of language arts and literature.

69-134 RE
Harris, Larry A., comp. **Title III (PACE) Projects on Reading, 1968** *ERIC/CRIER Reading Review Series, Volume 2, Bibliography 15*, March 1969. 53p. (Review Paper) ED 029 162 RIE October 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, Library Programs, Reading Centers, Reading Programs, Study Centers
A complete listing is given of reading-related Projects to Advance Creativity in Education (PACE) approved during fiscal year 1968. Each entry includes citation, abstract, and index terms.

69-135 RE
Laffey, James L., comp. **Research on Reading in the Content Fields: General and Other Subjects.** *ERIC/CRIER Reading Review Series, Volume 2, Bibliography 12*, October 1968. 119p. (Review Paper) ED 024 537 RIE April 1969 MF-$0.65; HC-$6.58
Content Reading, Reading Programs, Reading Research, Reading Skills
This bibliography has 2 parts. Part 1 (General) contains abstracts of articles selected on the basis of their general focus on content reading skills. Articles in Part 2 (Other Subjects) were selected from research literature of areas other than the basic ones of mathematics, science, language arts, and social studies which are covered in other ERIC/CRIER publications.

69-136 RE
Laffey, James L., comp. **Research on Reading in the Content Fields: Mathematics, Science, and Social Studies** *ERIC/CRIER Reading Review Series, Volume 2, Bibliography 10*, July 1968. 128p. (Review Paper) ED 024 538 RIE April 1969 MF-$0.65; HC-$6.58
Annotated Bibliographies, Content Reading, Reading Research, Research Reviews (Publications)
This bibliography contains abstracts (from 1950 onward) and annotations (before 1950) of documents reporting research on reading in the fields of mathematics, science, and social studies.

69-137 RE
Smith, Carl B.; And Others **Correcting Reading Problems in the Classroom. Final Report** *Interpretive Manuscript, Number 4*, March 1969. 101p. (Research report) ED 024 848 RIE May 1969 MF-$0.65; HC-available from International Reading Association, 6 Tyre Avenue, Newark, Delaware 19711. ($3.00)
Classroom Techniques, Reading Diagnosis, Reading Programs, Remedial Reading, Teachers
The responsibility of the classroom teacher in the treatment and prevention of reading difficulties is discussed. Identification of specific skill deficiencies is treated, explaining use of teacher-made tests, classroom observation, and standardized tests. Pitfalls are noted. A bibliography is included.

69-138 RE
Smith, Carl B.; And Others **Establishing Central Reading Clinics--The Administrator's Role. Final Report** *Interpretive Manuscript, Number 2*, March 1969. (Research report) ED 024 849 RIE May 1969 MF-$0.65; HC available from International Reading Association, 6 Tyre Avenue, Newark, Delaware 19711. ($2.25)
Administration, Reading, Reading Clinics, Reading Difficulty
Focus is on the duties of an administrator in establishing a reading clinic. Topics discussed include costs, staffing and training, services, and selection of children who will use the clinic. A bibliography is included.

69-139 RE
Smith, Carl B.; And Others **Reading Problems and the Environment--The Principal's Role. Final Report** *Interpretive Manuscript, Number 1*, March 1969. 77p. (Research report) ED 024 847 RIE May 1969 MF-$0.65; HC available from International Reading Association, 6 Tyre Avenue, Newark, Delaware 19711. ($2.25)
Disadvantaged Environment, Environmental Influences, Principals, Reading Difficulty, Reading Programs
Environmental causes of reading problems and suggested programs which principals can implement are presented. Preprimary diagnosis, experience enrichment opportunities, family counseling and group discussions, nongraded classes, individualized instruction, and programed tutoring are suggested to overcome environmental deficiencies. Case histories of programs are discussed. Charts, tables, and a bibliography are included.

69-141 RE
Smith, Carl B.; And Others **Treating Reading Disabilities--The Specialist's Role. Final Report** *Interpretive Manuscript, Number 3*, March 1969. 120p. (Research Report) ED 024 850 RIE May 1969 MF-$0.65; HC available from International Reading Association, 6 Tyre Avenue, Newark, Delaware 19711. ($3.00)
Corrective Reading, Reading Consultants, Remedial Reading Programs, Remedial Teachers, Specialists
The role of the reading specialist as a remedial reading teacher or as a consultant is presented. Diagnosis is discussed, including tests, informal inventories, and environmental factor assessment. Model programs are described. Organizational steps are given, and pitfalls noted. A bibliography is included.

69-142 RE
Strang, Ruth **Reading Diagnosis and Remediation** 1968. 204p. (State-of-the-Art Paper) ED 025 402 RIE May 1969 MF-$0.65; HC available from International Reading Association, 6 Tyre Avenue, Newark, Delaware 19711. ($3.00 to members, $3.50 to non-members)
Reading Diagnosis, Reading Difficulty, Reading Research, Remedial Reading, Remedial Teachers
This monograph discusses (1) the nature and levels of diagnosis of reading difficulty, (2) the characteristics and conditions related to reading achievement and disability, (3) severe reading disabilities, (4) diagnostic techniques, (5) diagnosing special groups, (6) remediation, and (7) trends, needs, and future directions in diagnosis and remediation. A bibliography and a list of reading tests are included.

69-143 RE
Summers, Edward G. **Doctoral Dissertations in Reading in Secondary School** *Journal of Reading*, v12 n8, pp.647-654, May 1969. 8p. (Annotated Bibliography)
Reading, Secondary School, Annotated Bibliographies
This is an annotated bibliography of 18 doctoral dissertations reported in Dissertation Abstracts, volumes 27 and 28, 1966 and 1967. Information is included for ordering copies of the dissertations from University Microfilms.

69-144 RE
Summers, Edward G. **Reading Research Literature: Identification and Retrieval** *Reading Research Quarterly*, v4 n1, pp.5-48, Fall 1968. 43p. (Journal Article)
Information Retrieval, Information Storage, Reading Research
Results are presented of a project to collect, organize, and analyze journal-reported reading research as compiled in the Gray summaries for the period 1884 to 1965-66. Components of the ERIC Clearinghouse on Reading are outlined.

69-145 RE
Summers, Edward G., comp. **Recent Doctoral Dissertation Research in Reading. Supplement, Number 1** *ERIC/CRIER Reading Review Series, Volume 2, Bibliography 14*, March 1969. 178pp. (Annotated Bibliography) ED 028 055 RIE August 1969 MF-$0.65; HC-$6.58
Annotated Bibliographies, Bibliographies, Doctoral Theses, Reading Research
A listing of 344 dissertations completed in colleges and universities since 1966 in the areas of preschool, elementary, secondary, college and adult reading is reported. Volumes 27 and 28 of Dissertation Abstracts are reviewed, and dissertations on reading are noted.

69-146 RE
Summers, Edward G. **Storing and Searching Reading Research by Computer** *Bulletin of the School of Education, Indiana University*, v44 n4, pp.49-117, July 1968. 68p. (Journal Article)
Information Retrieval, Information Storage, Reading Research
A project is described to organize the literature of reading, and to store citations on magnetic tape for retrieval by computer. Information is given on the nature, size, and growth of the literature on reading.

69-147 RC
Anderson, James G.; Johnson, William H. **Social and Cultural Characteristics of Mexican-American Families in South El Paso, Texas. Interim Report of the Mathematics Education Program** December 1968. 47p. (Research report) ED 026 175 RIE June 1969 MF-$0.65; HC-$3.29
Cultural Factors, Mathematics Instruction, Mexican Americans, Motivation, Success Factors
A study with emphasis upon cultural and social factors focused on urban Spanish-speaking children and their families in south El Paso, Texas. It was concluded that motivational factors were far more important in predicting success in mathematics than was the educational level of parents, or the language that they spoke.

69-148 RC
Carter, Thomas P. **Preparing Teachers for Mexican American Children** February 1969. 16p. (State-of-the-Art Paper) ED 025 367 RIE May 1969 MF-$0.65; HC-$3.29
Mexican Americans, Minority Group Teachers, Teacher Education, Teacher Improvement, Teacher Programs
The school is discussed as the primary social institution directed by the community to assume a major role in taking steps to improve the Mexican American's status. It is concluded that changes must occur in present teacher preparation programs, in teachers, and in schools. (duplicate to 69-183 SP).

69-149 RC
Cordova, Ignacio R. **The Relationship of Acculturation, Achievement, and Alienation Among Spanish American Sixth Grade Students** February 1969. 25p. (State-of-the-Art Paper) ED 025 369 RIE May 1969 MF-$0.65; HC-$3.29
Academic Achievement, Acculturation, Minority Group Teachers, Spanish Americans, Teacher Improvement
A study was undertaken in Northern New Mexico in an effort to discover relationships between acculturation, achievement, and teacher expectations as sources of alienation of the Spanish American students. It was concluded that alienation of the Spanish American student may be largely attributed to inflexible curricula and absence of activity involvement.

69-150 RC
Davis, J. Clark; McQueen, Robert **Planning Requirements for Small Schools Facilities** March 1969. 25p. (Study) ED 027 135 RIE July 1969 MF-$0.65; HC-$3.29
Acoustical Environment, Educational Facilities, Flexible Facilities, Small Schools, Thermal Environment, Library Science
Discussed in this study are: advances in design and construction materials; illumination control and thermal conditions; and advancement of new library technologies. It is concluded that in planning the school facility, the major concern should be flexibility to ensure maximum utilization of space, as well as complete expansion of curricular activities.

69-151 RC
Edington, Everett D. **Academic Achievement; Review of Recent Research on American Indian Students** *Journal of American Indian Education*, v8 n3, pp.10-15, May 1969. 6p. (Journal Article)
American Indians, Academic Achievement, Dropout Rate, High School Graduates, Disadvantaged Youth
A review of relevant research reveals that low levels of educational achievement are found among the various Indian tribes. Studies are cited and discussed which compared Indian and white students' academic achievement. The high dropout rate of Indian pupils is reviewed, and behavior and activity of Indian high school graduates are described.

69-152 RC
Edington, Everett D. **Organization of Educational Programs in Sparsely Settled Areas of the World** June 1969. 20p. (Paper) ED 029 730 RIE October 1969 MF-$0.65; HC-$3.29
Comparative Education, Educational Innovation, Educational Planning International Education, Rural Education
Aspects of education seen to be receiving the greatest amount of emphasis in rural areas of the world are teacher education, organization and administration, vocational education, and economic and social development. This paper was prepared for the International Conference on Arid Lands in a Changing World, University of Tucson, Arizona, June 1969.

69-153 RC
Edington, Everett D.; Musselman, Jane, comps. **Proceedings of a National Working Conference on Solving Educational Problems in Sparsely Populated Areas** June 1969. 74p. (Conference Report) ED 029 164 RIE October 1969 MF-$0.65; HC-$3.29
Changing Attitudes, Educational Quality, Information Dissemination, Rural Education, Vocational Education
Topics covered are the rural setting, change in small schools, occupational education for rural youth, improving opportunities in rural communities, and providing quality instruction in small schools; recommendations are given. The conference program, lists of speakers and participants, and descriptions of various innovative practices are included.

69-154 RC
Edington, Everett D.; Tamblyn, Lewis, comps. **Research Abstracts in Rural Education: Rural Small Schools, Indian Education, Migrant Education, Mexican American Education, Outdoor Education** 1968. 75p. (Annotated Bibliography) ED 025 357 RIE May 1969 MF-$0.65; HC $3.29
American Indians, Annotated Bibliographies, Mexican Americans, Rural Education, Small Schools, Migrant Education, Outdoor Education
Compiled to acquaint the rural educator with materials in his field, 94 abstracts from Research in Education of some of the latest research and development findings published between 1959 and 1968 are listed in this bibliography. A cross-referenced index is included.

69-155 RC
Gehlen, Frieda L. **The Political Aspects of Small Town and Rural Schools** May 1969. 42p. (State-of-the-art Paper) ED 030 502 RIE November 1969 MF-$0.65; HC-$3.29
Educational Change, Power Structure, Rural Schools, School Community Relationship, Small Schools
The first section deals with the topic of the general political setting in which the school operates. Attention is then turned to the distinguishing characteristics of the rural community. The final section treats of the particular nature of the politics of education in that type of community.

69-156 RC
Haller, Archibald O. **Rural Education and the Educational and Occupational Attainments of Youth** June 1969. 25p. (State-of-the-Art Paper) ED 029 748 RIE October 1969 MF-$0.65; HC-$3.29
Academic Achievement, Environmental Influences, Occupational Choice, Rural Education, Educational Improvement
The sociologist's perspective is presented on rural education as it relates to the occupational and educational attainment process. Occupational prestige is discussed in relation to income and education. Rural-urban variations in educational attainment are shown, and environmental influences are analyzed.

69-157 RC
Heathman, James E., comp. **Migrant Education, A Selected Bibliography** March 1969. 70p. (Bibliography) ED 028 011 RIE August 1969 MF-$0.65; HC-$3.29
Abstracts, Bibliographies, Educational Programs, Migrant Education, Research Reviews (Publications)
More than 100 publications concerned with migrant education are indexed under ERIC descriptor terms; those documents with ED numbers are accompanied by abstracts. Additional references are listed with annotations and availability statements.

69-158 RC
Kniefel, Tanya Suarez, comp. **Programs Available for Stregthening the Education of Spanish-Speaking Students** November 1968. 41p. (Directory) ED 025 366 RIE May 1969 MF-$0.65; HC-$3.29
Bilingual Students, Federal Programs, Scholarships, Spanish Speaking, Teacher Education
Listed in the guide are available scholarships, relevant Federal legislation with the purpose of each act, availability of funds, eligibility, guidelines for proposals, and a bibliography.

69-159 RC
Lynch, Patrick D. **Training Mexican American School Principals: An Analysis of a Program's Hits and Misses** February 1969. 24p. (Review Paper) ED 025 371 RIE May 1969 MF-$0.65; HC-$3.29
Administrator Role, Change Agents, Educational Programs, Mexican Americans, Principals
A project initiated to create community change agents is described. The training is traced of the 10 men appointed to the program, which was followed by internships in selected communities. It is pointed out that 4 years later, a few of the men had returned to public school positions but none were administrators.

69-160 RC
Ramirez, Manuel, III. **Potential Contributions by the Behavioral Sciences to Effective Preparation Programs For Teachers of Mexican-American Children** February 1969. 22p. (State-of-the-Art Paper) ED 025 370 RIE May 1969 MF-$0.65; HC-$3.29
Culture Conflict, Environmental Influences, Mexican Americans, Personal Growth, Teacher Education
Summary information of several research projects is presented to show that underprivileged children are not prepared to cope with intellectual and social demands of the school. The study concludes that Mexican Americans' adjustment to school is being hindered by their avoidance reaction to school tasks and school personnel.

69-161 RC
Rogers, Everett M.; Svenning, Lynne **Change in Small Schools** May 1969. 34p. (State-of-the-Art Paper) ED 029 749 RIE October 1969 MF-$0.65; HC-$3.29
Communication Problems, Educational Change, Innovation, Resources, Small Schools
The paper primarily deals with the nature of educational change, while exploring the change problems confronting small and rural schools in the United States. Also offered are suggestions for incorporating change and innovation in small and rural schools.

69-162 RC
Rosen, Carl L.; Ortego, Philip D. **Problems and Strategies in Teaching the Language Arts to Spanish-Speaking Mexican American Children** February 1969. 26p. (State-of-the-Art Paper) ED 025 368 RIE May 1969 MF-$0.65; HC-$3.29
Bilingualism, Educational Strategies, English (Second Language), Language Arts, Mexican Americans [Southwest]
Problems associated with teaching English language arts to Mexican American pupils are examined, with the conclusion that the solution appears to require newer ways of thinking and working with these children, different teaching leadership style, and increased participation by all of society.

69-163 RC
Saunders, Jack O. L. **The Blueprint Potentials of the Cooperative Teacher Education Preparation: Utilizing the Talented Mexican American** February 1969. 17p. (State-of-the-Art Paper) ED 025 372 RIE May 1969 MF-$0.65; HC-$3.29
College Students, Financial Support, Mexican Americans, Teacher Education, Work Study Programs
The Teacher Education Cooperative Program begun in 1965-66 at New Mexico State University is described. The program provides capable students with invaluable experiences in the work and study phases, as well as an opportunity to finance their own education. Discussion included information about participation of Mexican American students.

69-165 SE
Achievement *Science Education Information Report, General Bibliography Series, Number 15,* December 1968. 27p. (Bibliography) ED 026 281 RIE June 1969 MF-$0.65; HC-$3.29
Academic Achievement, Achievement, Bibliographies, Mathematics Education, Science Education
This is the fifth in the second series of general bibliographies. Reported are some 76 citations of selected documents related to student achievement in science. The documents included represent research reports, research reviews, manuals, speeches, textbooks, and other types.

69-166 SE
Curriculum *Science Education Information Report, General Bibliography Series, Number 14,* December 1968. 118p. (Bibliography) ED 026 280 RIE June 1969 MF-$0.65; HC-$6.58
Bibliographies, Curriculum, Curriculum Development, Inservice Education, Science Education
This is the fourth in the second series of general bibliographies. Reported are some 424 citations of selected documents related to curriculum and curriculum development in science education. The documents included represent research reports, research reviews, manuals, speeches, textbooks and other types.

69-167 SE
Evaluation and Educational Objectives, Learning Theories and Processes, Research Methodology *Science Education Information Report, General Bibliography Series, Number 19,* December 1968. 49p. (Bibliography) ED 026 285 RIE June 1969 MF-$0.65; HC-$3.29
Bibliographies, Evaluation, Learning, Research, Science Education
This is the ninth in the second series of general bibliographies. Reported are some 184 citations of selected documents in the areas of (1) evaluation, (2) educational objectives, (3) learning theories and processes, and (4) research methodology. The documents include research reports, research reviews, manuals, speeches, textbooks, and other types.

69-168 SE
Instructional Equipment and Materials *Science Education information Report, General Bibliography Series, Number 13,* December 1968. 79p. (Bibliography) ED 026 279 RIE June 1969 MF-$0.65; HC-$3.29
Audiovisual Aid, Bibliographies, Science Education, Science Equipment, Science Materials
This is the third in the second series of general bibliographies. Reported are some 297 citations of selected documents related to instructional equipment and materiels for teaching and learning science. The documents included represent research reports, research reviews, manuals, speeches, textbooks and other types.

69-169 SE
Instructional Procedures *Science Education Information Report, General Bibliography Series, Number 11,* December 1968. 66p. (Bibliography) ED 026 277 RIE June 1969 MF-$0.65; HC-$3.29
Bibliographies, College Science, Elementary School Science, Instruction, Secondary School Science
This is the first in the second series of general bibliographies. Reported are some 217 citations of selected documents related to instructional procedures in science education. The documents included represent research reports, research reviews, conference reports, position papers, textbooks, manuals, speeches, and other types.

69-170 SE
Legislative Acts and Reports, Administration and Supervision, Science Facilities *Science Education Information Report, General Bibliography Series, Number 18,* December 1968. 16p. (Bibliography) ED 026 284 RIE June 1969 MF-$0.65; HC-$3.29
Administration, Bibliographies, Legislation, Science Facilities, Supervision
This is the eighth in the second series of general bibliographies. Reported are some 36 citations of selected documents in the areas of (1) legislative acts and reports, (2) administration and supervision, and (3) science facilities. The documents included represent research reports, research reviews, manuals, speeches, textbooks, and other types.

69-171 SE
New Approaches to Science Education Research. Abstracts of presented papers at the National Association for Research in Science Teaching, 42nd annual meeting, Pasadena, California February 1969. 91p. (Abstract Publication) ED 027 227 RIE July 1969 MF-$0.65; HC-$3.29
Conference Reports, Educational Research, Research Reviews (Publications), Science Education
Provided are abstracts of 44 papers presented at the annual conference of the National Association for Research in Science Teaching at Pasadena, California, February, 1969. Major topic headings include instruction in elementary science; the teaching of biology, chemistry, physical science, and earth science; teacher education programs in science; new instruments for research; the structure of knowledge; surveys of research; the development of teaching competencies; and the ways children learn.

69-172 SE
Science and Society, History of Science Education, Science History, General Studies and Surveys *Science Education Information Report, General Bibliography Series, Number 17,* December 1968. 32p. ED 026 283 RIE June 1969 MF-$0.65; HC-$3.29
Bibliographies, Science Education, Science Education History, Science History, Socioeconomic Influences
This is the seventh in the second series of general bibliographies. Reported are some 98 citations of selected documents in the areas of (1) science and society, (2) the history of science education, (3) science history, and (4) general studies and surveys. The documents included represent research reports, research reviews, manuals, speeches, textbooks, and other types.

69-173 SE
Science Education Information Analysis Center Newsletter. Volume 1, Number 4 September 1968. 35p. (Annotated Bibliography) ED 025 441 RIE May 1969 MF-$0.65; HC-$3.29
Bibliographies, College Science, Elementary School Science, Science Education, Secondary School Science
This newsletter lists references to research reports in science education. Of these, 49 were published in Office of Education Research Reports over the period 1956-1965, 160 in Research in Education, and 104 in Pacesetters in Innovation, for the fiscal year, 1966. Titles, pertinent descriptors, and cost of the document are listed.

69-174 SE
Science Education Information Analysis Center Newsletter. Volume 2, Number 1 October 1968. 15p. (Annotated Bibliography) ED 025 443 RIE May 1969 MF-$0.65; HC-$3.29
Bibliographies, College Mathematics, Mathematics Education, Secondary School Mathematics
This newsletter lists references to 88 research reports in mathematics education. Of these, 36 were published in United States Office of Education Research Reports over the period 1956-65, 39 in Research in Education, and 13 in Pacesetters in Innovation. Titles, pertinent descriptors, and cost of the document in both microfiche and hardcopy are listed.

69-175 SE
Teacher Characteristics, Student Characteristics *Science Education Information Report, General Bibliography Series, Number 20,* January 1969. 25p. (Bibliography) ED 026 286 RIE June 1969 MF-$0.65; HC-$3.29
Bibliographies, Science Education, Science Teachers, Student Characteristics, Teacher Characteristics
This is the tenth in the second series of general bibliographies. Reported are some 67 citations of selected documents in the areas of (1) teacher characteristics, and (2) student characteristics. The documents include research reports, research reviews, and position papers.

69-176 SE
Teacher Education *Science Education Information Report, General Bibliography Series, Number 12,* December 1968. 34p. (Bibliography) ED 026 278 RIE June 1969 MF-$0.65 HC-$3.29
Bibliographies, Educational Programs, Program Descriptions, Science Education, Teacher Education
This is the second in the second series of general bibliographies. Reported are some 100 citations of selected documents related to teacher education in science education. The documents included represent research reports, research reviews, manuals, speeches, and other types.

69-177 SE
Teacher Resource Materials *Science Education Information Report, General Bibliography Series, Number 16,* December 1968. 93p. (Bibliography) ED 026 282 RIE June 1969 MF-$0.65; HC-$3.29
Bibliographies, Instruction, Instructional Materials, Resourse Materials, Science Education
This is the sixth in the second series of general bibliographies. Reported are some 332 citations of selected documents involving teacher resource materials for science education. The documents included are divided into major subject areas and levels in the field for quick teacher reference, and represent papers, teacher tips, conference reports, manuals, speeches, textbooks, and other types.

69-178 SE
Blosser, Patricia E.; Howe, Robert W. **An Analysis of Research Related to the Education of Secondary School Science Teachers** *Science Teacher,* v36 n1, pp.87-95, January 1969. 11p. (Review Paper) ED 025 444 RIE May 1969 MF-$0.65; HC-$3.29
College Science, Research Reviews (Publications), Science Education, Science Teachers, Secondary School Teachers, Teacher Education
Research related to the education of secondary school science teachers is analyzed for the period, 1960-68. Major areas examined include (1) desired competencies for science teachers, (2) the relationship of science teacher competencies, teaching success, and classroom climate, (3) recommendations for the education of science teachers, (4) state certification requirements, (5) surveys of teacher preparation, and (6) investigations of the effect of teacher education programs.

69-179 SE
Ramsey, Gregor A.; Howe, Robert W. **An Analysis of Research on Instructional Procedures in Secondary School Science, Part 1--Outcomes of Instruction** *Science Teacher,* v36 n3, pp.62-70, March 1969. 9p. (Review Paper) ED 026 287 RIE June 1969 MF-$0.65; HC-$3.29
Achievement, Critical Thinking, Instruction, Secondary School Science
Reviewed is research on instructional procedures used to teach science in secondary schools. This part, the first of a 2-part review, discusses studies emphasizing outcomes obtained from generalized instruction in a classroom or classroom-laboratory setting. Outcomes discussed include knowledge of science content and concepts, understanding the scientific enterprise, critical thinking, and attitude development.

69-180 SE
Ramsey, Gregor A.; Howe, Robert W. **An Analysis of Research on Instructional Procedures in Secondary School Science, Part II-Instructional Procedures** *Science Teacher,* v36 n4, pp.72-81, April 1969. 11p. (Review Paper) ED 027 233 RIE July 1969 MF-$0.65; HC-$3.29
Instruction, Research Reviews (Publications), Science Education, Secondary School Science, Teaching Methods
This is the second of a 2-part review of instructional procedures in secondary school science. Analyzed are research studies in the field for the period 1960-67. Studies are reviewed under the following headings: team teaching, programed instruction, audiovisual aids, laboratory procedures, extra classroom activities and field experiences, content integration, classroom interaction, and teaching duration.

69-181 SE
Ramsey, Gregor A.; Howe, Robert W. **An Analysis of Research Related to Instructional Procedures in Elementary School Science** *Science and Children,* v6 n7, pp. 25-36, April 1969. 14p. (Review Paper) ED 027 232 RIE July 1969 MF-$0.65; HC-$3.29
Elementary School Science, Evaluation, Instruction, Research Reviews (Publications), Science Education
Research studies on instructional procedures in elementary school science are reviewed for the period 1960-68. Areas discussed include audiovisual aids, comparative studies, ability grouping, use of reading materials, programed instruction, individualized instruction, concept development, critical thinking, problem solving, and inquiry in science.

69-182 SP
School Personnel Made Eligible For Initial Certification Through MAT Programs; A Directory of Institutions. With Data February 1969. 22p. (Directory) ED 026 348 Rie June 1969 MF-$0.65; HC-$3.29
Accreditation (Institutions), Educational Programs, Masters Degrees, Teacher Certification, Teacher Education
This state-by-state listing of institutions with Master of Arts in Teaching (MAT) programs includes: the number of persons made eligible for initial certification through all kinds of programs in 1967, and accreditation status with the National Council of Accreditation.

69-183 SP
Carter, Thomas P. **Preparing Teachers for Mexican American Children** February 1969. 16p. (Monograph) ED 025 367 RIE May 1969 MF-$0.65; HC-$3.29
Mexican Americans, Minority Group Teachers, Teacher Education, Teacher Improvement, Teacher Programs
The school is the primary social institution directed by the community to assume a major role in taking steps to improve the Mexican-American's status. It has 3 possible avenues for action in correcting low school and social achievement: change the child, change the school, or change the social system. (duplicate to 69-148 RC).

69-184 SP
Ross, Marlene, comp. **Preparing School Personnel for an Open Society: A Guide to Selected Documents in the ERIC Collection, 1966-1968.** May 1969. 98p. (Annotated Bibliography) ED 028 156 RIE August 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, Disadvantaged Groups, Minority Groups, Teacher Education
Abstracts of 166 documents containing information on programs for preparing teachers to teach in an open society are synthesized and presented in this annotated bibliography. The abstracts appeared in Research in Education prior to the inception of the Educational Resources Information Center's Clearinghouse on Teacher Education. (duplicate to 70-251 SP).

69-185 SP
Ross, Marlene, comp. **Preparing School Personnel for Differentiated Staffing Patterns: A Guide to Selected Documents in the ERIC Collection, 1966-68.** May 1969. 74p. (Annotated Bibliography) ED 028 155 RIE August 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, Staff Role, Staff Utilization
This is a guide to 114 documents on differentiated staffing which were abstracted for Research in Education (RIE) from 1966-1968. Part 1 presents summaries of the RIE abstracts according to subject classifications; Part 2 includes abstracts. (duplicate to 70-250 SP).

69-186 SP
Ross, Marlene, comp. **School-College Colaboration in Preparing School Personnel: A Guide to Selected Documents in the ERIC Collection, 1966-1968** May 1969. 56p. (Annotated Bibliography) ED 029 000 RIE September 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, College School Cooperation, Inservice Programs, Teacher Education
This is a guide to 82 documents which were abstracted for Research in Education (RIE) from November 1966 to December 1968 in preparing school personnel through the collaboration of schools, colleges, agencies, organizations, state departments of education, and the community. (duplicate to 70-252 SP).

69-187 SP
Ross, Marlene **Structured Practice in Preparing School Personnel; A Guide to Selected Documents in the Eric Collection, 1966-1968** March 1969. 68p. (Annotated Bibliography) ED 026 349 RIE June 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, Practicum Supervision, Teacher Education, Teacher Experience
100 books, articles, and papers, published between 1959 and 1968 comprise this annotated bibliography on selected documents on teacher education in the Educational Resources Information Center (ERIC) collection. Summaries of topics with references to document numbers and abstracts to which the summaries are keyed are included. (duplicate to 70-253 SP).

69-188 SP
Suchara, Helen T.; Smith, E. Brooks **Cooperative Teacher Education: School-College Relations in Developing School Personnel** May 1969. 26p. (Annotated Bibliography) ED 028 154 RIE August 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, College School Cooperation, Teacher Education
93 documents published between 1960 and 1969 are identified in this annotated bibliography dealing with school-college relations in developing school personnel. Most documents included present information on college-school cooperative programs while other documents, divided into subject areas, cover student teaching, internship programs, supervisory personnel, and team teaching. (duplicate to 70-259 SP).

69-189 TE
Blount, Nathan S.; And Others **A Summary of Investigations Relating to the English Language Arts, Elementary and Secondary, 1967** December 1968. 61p. (Review Paper) ED 022 071 RIE February 1969 MF-$0.65; HC-$3.29
Adult Education, Bibliographies, Developing Nations, Foreign Countries, Publications
The 3 articles reprinted in this document comprise a critical summary of educational research related to the teaching of English (K-12) completed during 1967. The articles originally appeared in Elementary English and English Journal.

69-190 TE
Butler, Donna, comp.; Denby, Robert V., comp. **Eric Documents on the Teaching of English, 1956-1968** May 1969. 75p. (Bibliography) ED 029 045 RIE September 1969 MF-$0.65; HC-$3.29
Bibliographies, English Curriculum, English Instruction, Instructional Materials
This classified and indexed bibliography provides a single easily updated source to which teachers and researchers can refer to find English-related documents available through EDRS.

69-191 TE
Butler, Donna, ed.; O'Donnell, Bernard, ed. **A Guide to Available Project English Materials** October 1968. 114p. (Annotated Bibliography) ED 021 854 RIE January 1969 MF-$0.65; HC-$6.58
Curriculum Development, Curriculum Study Centers, English Instruction, Instructional Materials, Resource Guides
By providing citations, abstracts, and a subject index to the materials produced by Project English Centers, this book is intended to ease announcement and distribution problems of both EDRS and the publishers.

69-192 TE
Evertts, Eldonna L. **English, English Education, And Certification: Selected Annotated Bibliography** September 1968. 38p. (Annotated Bibliography) ED 022 778 RIE February 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, English Education, English Instruction, Teacher Certification, Teacher Education
This bibliography lists and gives annotations for major documents on the historical development and current status of teacher preparation and certification in English, on teaching English in the schools, and on significant trends in English teaching.

69-193 TE
Hoetker, James **Dramatics and the Teaching of Literature** *NCTE/ERIC Studies in the Teaching of English*, March 1969. 75p. (State-of-the-Art Paper) ED 028 165 RIE August 1969 MF-$0.65; HC-$3.29
Creative Dramatics, Drama, Dramatics, English Instruction, Literature
This review identifies and evaluates documents in the field and delineates the history of the use of dramatics in teaching literature. The paper also discusses the goals to be achieved through the use of dramatics and the principles upon which such use should be based.

69-194 TE
Scannell, William J., ed. **Annotated List of Recommended Elementary and Secondary Curriculum Guides in English, 1968** October 1968. 42p. (Annotated Bibliography) ED 030 014 RIE November 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, Curriculum Guides, Elementary Grades, English Instruction, Secondary Grades
This collection of abstracts of curriculum guides recommended by the NCTE Committee to Evaluate Curriculum Guides includes guides reviewed 1963-1968. It updates and supercedes the Annotated List of 1967.

69-195 TE
Smith, Eugene H. **Teacher Preparation in Composition** *NCTE/ERIC Studies in the Teaching of English*, May 1969. 64p. (State-of-the-Art Paper) ED 029 037 RIE September 1969 MF-$0.65; HC-$3.29
Composition (Literary), English Instruction, Rhetoric, Teacher Education, Teaching Methods
Smith's paper surveys the state of teacher preparation in composition through an examination of programs in existence and statements by professional groups. Smith also outlines an ideal program.

69-196 FL
Anthony, Edward M.; Norris, William E. **Method in Language Teaching** *ERIC Focus Reports on the Teaching of Foreign Languages, Number 8*, April 1969. 10p. (Review Paper) ED 031 984 RIE January 1970 MF-$0.65; HC-$3.29
Language Instruction;, Methodology, Modern Languages, Teaching Methods, Teaching Techniques
A discussion of various philosophies of teaching foreign languages and a bibliography of further reading are included in this paper.

69-197 FL
Birkenmayer, Sigmund S. **A Selective Bibliography of Works Related to the Teaching of Slavic Languages and Literatures in the United States and Canada, 1942-67** October 1968. 41p. (Bibliography) ED 025 988 RIE June 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, Language Instruction, Literature, Second Language Learning, Slavic Languages
This is a retrospective classified bibliography of 1148 items with an authors index.

69-198 FL
Campa, Arthur L. **Teaching Hispanic Culture Through Folklore** *ERIC Focus Reports on the Teaching of Foreign Languages, Number 2*, December 1968. 11p. (Review Paper) ED 031 978 RIE January 1970 MF-$0.65; HC-$3.29
Cultural Education, Folklore Books, Resource Materials, Second Language Learning, Spanish Culture
A discussion of relevant techniques and a bibliography of further reading are included in this paper.

69-199 FL
Donoghue, Mildred R. **Foreign Languages in the Elementary School: Effects and Instructional Arrangements According to Research** *ERIC Focus Reports on the Teaching of Foreign Languages, Number 3*, March 1969. 10p. (Review Paper) ED 031 979 RIE January 1970 MF-$0.65; HC-$3.29
Educational Research, FLES, Instructional Design, Language Research, Program Effectiveness
This paper includes a discussion and interpretation of relevant research and a bibliography of further reading.

69-200 FL
Fearing, Percy **Nongraded Foreign Language Classes** *ERIC Focus Reports on the Teaching of Foreign Languages, Number 4*, April 1969. v2 n3, pp.343-347, March 1969. 7p. (Review Paper) ED 031 980 RIE January 1970 MF-$0.65; HC-$3.29
Flexible Scheduling, Language Instruction, Language Learning Levels, Language Programs, Nongraded Classes
A discussion of the problems related to changing one-channeled instruction to a multi-channeled system and a bibliography of further reading are included in this paper.

69-201 FL
Fiks, A. I. **Foreign Language Programmed Materials: 1969** *ERIC Focus Reports on the Teaching of Foreign Languages, Number 7*, May 1969. 10p. (Review Paper) ED 031 983 RIE January 1970 MF-$0.65; HC-$3.29
Annotated Bibliographies, Language Instruction, Programed Instruction, Programed Materials, Second Language Learning
A discussion of subject, with detailed catalogue of available materials and a bibliography of further reading, is included

69-202 FL
Grittner, Frank M. **Maintaining Foreign Language Skills for the Advanced-Course Dropout** *ERIC Focus Reports on the Teaching of Foreign Languages, Number 1*, December 1968. v2 n2, pp205-211, December 1968. 9p. (Review Paper) ED 031 977 RIE January 1970 MF-$0.65; HC-$3.29
Advanced Programs, Independent Study, Instructional Innovation, Language Programs, Secondary School Students
A discussion of measures for dealing with the dropout problem and a bibliography of further reading are included in this paper.

69-203 FL
Haukebo, Gerhard K. **Summer Foreign Language Programs for School Students** *ERIC Focus Reports on the Teaching of Foreign Languages, Number 10*, June 1969. v2 n4, pp.477-480, May 1969. 4p. (Review Paper) ED 031 986 RIE January 1970 MF-$0.65; HC-$3.29
Elementary School Students, Modern Languages, Secondary School Students, Summer Programs, Summer Schools
This paper discusses opportunities in the United States for summer language study and included a bibliography of further reading.

69-204 FL
Lange, Dale L., ed **1968 ACTFL Annual Bibliography** *Foreign Language Annals*, v2 n4, pp.481-530, May 1969. 51p. ED 029 158 RIE October 1969 MF-$0.65; HC-$3.29
Applied Linguistics, Bibliographies, Classical Languages, Language Instruction, Modern Languages
A classified list of 1,316 articles, books, monographs, etc. which appeared in 1968 is provided. Relevant EDRS accessions in 1968 are included, and an authors' index is appended.

69-205 FL
Leamon, M. Phillip **Foreign Study for High School Students: What's Going On?** *ERIC Focus Reports on the Teaching of Foreign Languages, Number 5*, April 1969. 9p. (Review Paper) ED 031 981 RIE January 1970 MF-$0.65; HC-$3.29
Language Instruction, Modern Languages, Secondary School Students, Study Abroad, Summer Programs
A discussion of relevant programs, with criteria for evaluating such programs and a bibliography of further reading are included in this paper.

69-206 FL
Mathieu, Gustave Bording, ed. **ML Abstracts, 1961-66** January 1969. 374p. (Annotated Bibliography) ED 026 937 RIE July 1969 MF-$0.65; HC-$13.16
Abstracts, Classical Languages, Language Instruction, Modern Languages, Second Language Learning
This bibliography contains all of the 1146 abstracts of journal articles on foreign language teaching which appeared in the 22 quarterly issues of ML abstracts published from 1961-1966.

69-207 FL
Mildenberger, Andrea S., comp.; Liao, Allen Yuan-heng, comp. **Eric Documents on the Teaching of Foreign Languages: List Number 1** December 1968. v2 n2, pp.222-247, December 1968. 32p. ED 026 924 RIE July 1969 MF-$0.65; HC-$3.29
Catalogs, Clearinghouses, Educational Resources, Language Instruction, Second Language Learning
This publication lists 741 EDRS documents on the teaching of foreign languages appearing in Office of Education Research Reports, 1956-65 and in Research in Education, through the June 1968 issue. Each item cites location of relevant abstract, ED number, and cost.

69-208 FL
Mildenberger, Andrea S., comp.; Satlin, Simi S., comp. **Eric Documents on the Teaching of Foreign Languages: List Number 2** March 1969. v2 n3, pp.361-368, March 1969. 12p. ED 029 538 RIE October 1969 MF-$0.65; HC-$3.29
Catalogs, Clearinghouses, Educational Resources, Language Instruction, Second Language Learning
Listed in this publication are 166 EDRS documents on the teaching of foreign languages appearing in RIE from July 1968. Each item cites location of relevant abstract, ED number and cost.

69-209 FL
Mildenberger, Kenneth W., ed. **MLA Guide to Federal Programs: An Analysis of Current Government Financial Assistance Programs for Students, Teachers, Researchers, and Scholars in the Fields of English and Foreign Languages** April 1969. 57p. (Review Paper) ED 036 219 RIE June 1970 MF-$0.65; HC-$3.29
English, Federal Legislation, Financial Support, Guides, Modern Languages
24 programs are discussed in detail, including purpose, authorizing legislation, eligibility, method of operation, implications for English and foreign languages, funding, and where to obtain current information.

69-210 FL
Morain, Genelle G. **French Culture: The Folklore Facet** *ERIC Focus Reports on the Teaching of Foreign Languages, Number 9*, April 1969. 9p. (Review Paper) ED 031 985 RIE January 1970 MF-$0.65; HC-$3.29
Folk Culture, Intructional Aids, Language Instruction, Modern Languages
A discussion of relevant techniques and materials and a bibliography of further reading are included in this paper.

69-211 FL
Nelson, Bonnie E. **College Programs in Freshman Composition** December 1968. 46p. (Review Paper) ED 020 939 RIE December 1968 MF-$0.65; HC-$3.29
College Freshman, Composition (Literary), Course Content, English Instruction, English Programs
This paper surveys current practices at 66 institutions of various types and was done in cooperation with the Association of Departments of English. Detailed course descriptions which were the basis of this study are available in 9 documents, entries 69-212 to 69-220.

69-212 FL
Nelson, Bonnie E., comp. **Freshman English at Eight Universities--South Dakota State, Southern Illinois (Edwardsville) Tufts, and Wake Forest Universities, as Well as the Universities of North Carolina, Santa Clara, South Florida, and Southern California** December 1968. 97p. (Course Descriptions) ED 020 948 RIE December 1968 MF-$0.65; HC-$3.29
College Freshmen, Composition (Literary), Course Content, English Instruction, Teaching Guides

69-213 FL
Nelson, Bonnie E., comp. **Freshman English at Fourteen Two-Year Colleges--Junior College of Albany, Amarillo, Bakersfield, Beckley, California Concordia, Cazenovia, Grand View, Harcum, Lakewood State, Miami-Dade, and Colby, Jefferson, Monroe County, and Portland Community Colleges** December 1968. 76p. (Course Descriptions) ED 020 944 RIE December 1968 MF-$0.65; HC-$3.29
College Freshmen, Composition (Literary), Course Content, English Instruction, Junior Colleges

69-214 FL
Nelson, Bonnie E., comp. **Freshman English at Nine Institutions Which Have Eliminated the Traditional Course in Freshman Composition--Antioch, Elmira, Juniata, and Swarthmore Colleges and Baker, Clark, Emory, Maryland, and Tulane Universities** December 1968. 29p. (Course Descriptions) ED 020 942 RIE December 1968 MF-$0.65; HC-$3.29
College Freshmen, Composition (Literary), English Instruction, English Programs, Program Development

69-215 FL
Nelson, Bonnie E., comp. **Freshman English at Seven Colleges--Augustana College, Central Washington State College, Clarke College, State College at Framingham, Harding College, Emporia State Teachers College, and King's College** December 1968. 34p. (Course Descriptions) ED 020 946 RIE December 1968 MF-$0.65; HC-$3.29
College Freshmen, Composition (Literary), Course Content, English Instruction, Program Development

69-216 FL
Nelson, Bonnie E., comp. **Freshman English at the State University of New York, Buffalo** December 1968. 183p. (Course Description) ED 020 940 RIE December 1968 MF-$0.65; HC-$6.58
College Freshmen, Composition (Literary), English Instruction, English Programs, Instructional Innovation

69-217 FL
Nelson, Bonnie E., comp. **Freshman English at the University of Hawaii** December 1968. 73p. (Course Description) ED 040 941 RIE December 1968 MF-$0.65; HC-$3.29
College Freshmen, Composition (Literary), English Instruction, English Programs, Instructional Materials

69-218 FL
Nelson, Bonnie E., comp. **Freshman English at the University of Kentucky, Ohio State University, Purdue University, and Southern Illinois University** December 1968. 106p. (Course Description) ED 020 945 RIE December 1968 MF-$0.65; HC-$6.58
College Freshmen, Composition (Literary), Course Content, English Instruction, Teaching Guides

69-219 FL
Nelson, Bonnie E., comp. **Freshman English at the University of Tulsa, Columbia Basin College, and Western State College of Colorado** December 1968. 138p. (Course Description) ED 020 943 RIE December 1968 MF-$0.65; HC-$6.58
College Freshmen, Course Content, English Programs, Instructional Materials, Language Arts

69-220 FL
Nelson, Bonnie E., comp. **Freshman English at Twelve Universities--Bob Jones, Duquesne, John Carroll, Kansas State, Marquette, Northern Illinois, Washington, and Washington State Universities, as well as the Universities of Alabama, Dayton, Minnesota (Duluth), and Mississippi** December 1968. 81p. (Course Description) ED 020 947 RIE December 1968 MF-$0.65; HC-$3.29
College Freshmen, Composition (Literary), Course Content, English Instruction, Teaching Guides

69-221 FL
Svobodny, Dolly D., comp. **Research and Studies about the Use of Television and Film in Foreign Language Instruction: A Bibliography with Abstracts** January 1969. 37p. ED 026 936 RIE July 1969 MF-$0.65; HC-$3.29
Films, Language Instruction, Modern Languages, Second Language Learning, Television Instruction
A list of 90 items, with abstracts are provided. For EDRS items, relevant purchase data are given.

69-222 FL
Weiss, Gerhard **Folktale and Folklore--Useful Tools for Teachers of German** *ERIC Focus Reports on the Teaching of Foreign Languages, Number 6,* April 1969. 8p. (Review Paper) ED 031 982 RIE January 1970 MF-$0.65; HC-$3.29
Cultural Awareness, Folk Culture, German, Instructional Aids, Language Instruction
This paper includes a discussion of relevant techniques and materials, along with a bibliography of further reading.

69-223 VT
Abstracts of Instructional Materials in Vocational and Technical Education AIM Fall 1968. 185p. ED 023 936 RIE March 1969 MF-$0.65; HC-$6.58
Annotated Bibliographies, Instructional Materials, Technical Education, Vocational Education
Instructional materials acquired and processed by the Clearinghouse on Vocational and Technical Education are classified by vocational or supporting service areas (e.g. Agricultural Education, Business and Office Education, etc.) Each item is also indexed by personal and institutional author, major subjects and identifiers. AIM is issued quarterly (Fall, Winter, Spring, Summer) and began Fall 1967.

69-224 VT
Abstracts of Instructional Materials in Vocational and Technical Education (AIM) Winter 1968. 167p. ED 028 302 RIE August 1969 MF-$0.65; HC-$6.58
Annotated Bibliographies, Instructional Materials, Technical Education, Vocational Education
Instructional materials acquired and processed by the Clearinghouse on Vocational and Technical Education are classified by vocational or supporting service areas (e.g. Agricultural Education, Business and Office Education, etc.) Each item is also indexed by personal and institutional author, major subjects and identifiers. AIM is issued quarterly (Fall, Winter, Spring, Summer) and began Fall 1967.

69-225 VT
Abstracts of Instructional Materials in Vocational and Technical Education (AIM) Spring 1969. 172p. (Abstract Publications) ED 030 769 RIE November 1969 MF-$0.65; HC-$6.58
Annotated Bibliographies, Technical Education, Vocational Education
Instructional materials acquired and processed by the Clearinghouse on Vocational and Technical Education are classified by vocational or supporting service areas (e.g. Agricultural Education, Business and Office Education, etc.) Each item is also indexed by personal and institutional author, major subjects and identifiers. AIM is issued quarterly (Fall, Winter, Spring, Summer) and began Fall 1967.

69-226 VT
Abstracts of Research and Related Materials in Vocational and Technical Education (ARM) Fall 1968. 280p. ED 022 970 RIE February 1969 MF-$0.65; HC-$9.87
Annotated Bibliographies, Educational Research, Technical Education, Vocational Education
Research and research related materials acquired and processed by the Clearinghouse on Vocational and Technical Education are classified by topical areas (e.g. administration and supervision, employment and occupations, evaluation and measurement, etc.) Each report is also indexed by personal and institutional author, major subjects and identifiers, and vocational or supporting services. ARM is issued quarterly (Fall, Winter, Spring, Summer) and began Fall 1967.

69-227 VT
Abstracts of Research and Related Materials in Vocational and Technical Education (Arm) Winter 1968. 211p. ED 027 437 RIE July 1969 MF-$0.65; HC-$9.87
Annotated Bibliographies, Educational Research, Technical Education, Vocational Education
Research and research related materials acquired and processed by the Clearinghouse on Vocational and Technical Education are classified by topical areas (e.g. administration and supervision, employment and occupations, evaluation and measurement, etc.) Each report is also indexed by personal and institutional author, major subjects and identifiers, and vocational or supporting services. ARM is issued quarterly (Fall, Winter, Spring, Summer) and began Fall 1967.

69-228 VT
Abstracts of Research and Related Materials in Vocational and Technical Education (Arm) Spring 1969. 206p. (Abstract Publications) ED 030 000 RIE October 1969 MF-$0.65; HC-$9.87
Annotated Bibliographies, Educational Research, Technical Education, Vocational Education
Research and research related materials acquired and processed by the Clearinghouse on Vocational and Technical Education are classified by topical areas (e.g. administration and supervision, employment and occupations, evaluation and measurement, etc.) Each report is also indexed by personal and institutional author, major subjects and identifiers, and vocational or supporting services. ARM is issued quarterly (Fall, Winter, Spring, Summer) and began Fall 1967.

69-229 VT
Abstracts of Instructional Materials in Vocational and Technical Education and Abstracts of Research and Related Materials in Vocational and Technical Education (Aim-Arm) Annual Index, 1967-68 1968. 124p. (Index to Abstract Publications) ED 022 064 RIE January 1969 MF-$0.65; HC-$6.58
Educational Research, Indexes (Locaters), Technical Education, Vocational Education
Included in this annual publication are the cumulative indexes to the Fall 1967-Summer 1968 issues of the quarterly publications: Abstracts of Instructional Materials in Vocational and Technical Education (AIM) and Abstracts of Research and Related Materials in Vocational and Technical Education (ARM).

69-230 VT
Brandon, George L., ed. **Research Visibility. Administrative Problems in Vocational Education** *American Vocational Journal,* v44 n1, pp.41-56, January 1969. 16p. (Review Paper) ED 029 124 RIE September 1969 MF-$0.65; HC-$3.29
Administrative Problems, Bibliographies, Educational Research, Research Reviews (Publications), Vocational Education
The thirteen research reviews in this issue pertain to administrative problems in vocational education. A bibliography of 25 related reports is included.

69-231 VT
Brandon, George L., ed. **Research Visibility. Evaluation and Accreditation** *American Vocational Journal,* v44 n5, pp.33-48, May 1969. 16p. (Review Paper) ED 029 155 RIE September 1969 MF-$0.65; HC-$3.29
Bibliographies, Educational Research, Program Evaluation, Research Reviews (Publications), Vocational Education
The 11 reviews in this issue pertain to evaluation and accrediation. A bibliography list of 39 additional items is included.

69-232 VT
Brandon, George L., ed. **Research Visibility. Human Resources and Vocational Guidance Services** *American Vocational Journal,* v43 n12, pp.33-48, December 1968. 16p. (Review Paper) ED 025 669 RIE May 1969 MF-$0.65; HC-$3.29
Employment Trends, Human Resources, Occupational Guidance, Research Reviews (Publications), Vocational Development
Focusing on human resources and vocational guidance, this issue presents 10 reports which make a case for functional vocational guidance.

69-233 VT
Brandon, George L.; And Others **Research Visibility. Post-Secondary and Adult Education** *American Vocational Journal*, v43 n1, pp.49-64, November 1968. 16p. (Review Paper) ED 023 935 RIE March 1969 MF-$0.65; HC-$3.29
Adult Vocational Education, Apprenticeships, Bibliographies, Post Secondary Education, Vocational Education
The 10 reviews in this issue are organized under the following 3 topics: (1) Apprenticeship and Other In-Plant Training (2) Out-of-School Youths and Adults and (3) Post Secondary Institutions and Programs.

69-234 VT
Brandon, George L., ed. **Research Visibility. Preparation of Professional Personnel for Vocational Education** *American Vocational Journal*, v44 n4, pp.33-48, April 1969. 16p. (Review Paper) ED 029 970 RIE October 1969 MF-$0.65; HC-$3.29
Bibliographies; Educational Research, Leadership Training, Teacher Education, Vocational Education
The 16 reviews in this issue pertain to the preparation of professional personnel for vocational education. A bibliography of 35 related publications is included.

69-235 VT
Brandon, George L., ed. **Research Visibility. Research in Vocational and Technical Education** *American Vocational Journal*, v44 n2, pp.41-52, February 1969. 12p. (Review Paper) ED 028 298 RIE August 1969 MF-$0.65; HC-$3.29
Bibliographies, Educational Research, Research Reviews (Publications), Technical Education, Vocational Education
The 9 research reviews in this issue are organized under the topics of: (1) Research on Research (2) Seminars and Institutes on Research and (3) Other Studies. A listing of 24 related reports is included.

69-236 VT
Brandon, George L., ed. **Research Visibility. The Vocational Education Curriculum.** *American Vocational Journal*, v44 n3, pp.41-56, March 1969. 16p. (Review Paper) ED 029 963 RIE October 1969 MF-$0.65; HC-$3.29
Bibliographies, Curriculum Development, Curriculum Research, Research Reviews (Publications), Vocational Education
The 10 reports reviewed in this issue pertain to these topics related to vocational education curriculum: (1) curriculum development projects, (2) curriculum workshops and (3) laboratories and materials.

69-237 VT
Law, Gordon F., ed. **Research Visibility. Disadvantaged Youth: Rural Poverty and the Urban Crisis** *American Vocational Journal*, v43 n6, pp.41-56, September 1968. 16p. (Review Paper) ED 030 749 RIE November 1969 MF-$0.65; HC-$3.29
Bibliographies, Disadvantaged Youth, Educational Research, Research Reviews (Publications), Vocational Education
The 15 reviews in this issue pertain to rural and urban disadvantaged youth. The bibliography lists 29 related studies which as in progress.

69-238 VT
Law, Gordon F. **Research Visibility. Vocational Education for Girls and Women** *American Vocational Journal*, v43 n10, pp.33-48, October 1968. 16p. (Review Paper) ED 022 063 RIE January 1969 MF-$0.65; HC-$3.29
Bibliographies, Educational Research, Females, Vocational Education
This paper reports on selected research studies in vocational, technical and practical arts education.

69-239 VT
Holloway, Lewis D.; Kerr, Elizabeth E. **Review and Synthesis of Research in Health Occupations Education** *Research Series, Number 39*, May 1969. 97p. (State-of-the-Art Paper) ED 029 982 RIE October 1969 MF-$0.65; HC-$3.29
Bibliographies, Health Occupations Education, Literature Reviews, Research Reviews (Publications)
This report reviews studies which focus on manpower needs, employment opportunities and education as related to health occupations at the vocational and technical level.

69-240 VT
Warmbrod, J. Robert **Review and Synthesis of Research of the Economics of Vocational-Technical Education** November 1968. 62p. (State-of-the-Art Paper) ED 023 937 RIE March 1969 MF-$0.65; HC-$3.29
Cost Effectiveness, Economic Research, Educational Benefits, Research Reviews (Publications), Vocational Education
Emphasis of this review is on research pertaining to cost-benefit and cost-effectiveness analysis of vocational education and manpower training programs. Major sections focus on the theory and concepts of the economics of education, the methodological and conceptual problems involved in evaluating vocational-technical education programs using cost-benefit and cost-effectiveness models, and the use of follow-up studies.

70-001 AC
Adult Basic Education *Current Information Sources, Number 27*, March 1970. 89p. (Annotated Bibliography) ED 035 777 RIE June 1970 MF-$0.65; HC-$3.29
Adult Basic Education, Annotated Bibliographies
The 261 referenced documents listed are mostly from 1965 and deal with surveys, planning, program descriptions, curriculum materials, clientele groups, teachers and administrators, teacher training, and recruitment.

70-002 AC
Continuing Education in the Professions *Current Information Sources, Number 24*, September 1969. 100p. (Annotated Bibliography) ED 033 250 RIE March 1970 MF-$0.65; HC-$3.29
Annotated Bibliographies, Professional Continuing Education
Various aspects of professional continuing education are covered by the 225 items listed.

70-003 AC
Management and Supervisory Development *Current Information Sources, Number 26*, November 1969. 77p. (Annotated Bibliography) ED 033 251 RIE March 1970 MF-$0.65; HC-$3.29
Annotated Bibliographies, Management Development, Supervisory Training
A list of 210 references to bibliographies, information sources, and studies on training needs and interests, career patterns, learning behavior and achievement, and program planning is provided.

70-004 AC
Occupational Training for Disadvantaged Adults *Current Information Sources, Number 29*, April 1970. 109p. (Annotated Bibliography) ED 036 676 RIE July 1970 MF-$0.65; HC-$6.58
Annotated Bibliographies, Disadvantaged Groups, Job Training, Manpower Development
250 items on various aspects and areas of occupational training for disadvantaged adults are cited.

70-005 AC
Programmed Instruction in Business and Industry *Current Information Sources, Number 28*, April 1970. 47p. (Annotated Bibliography) ED 035 789 RIE June 1970 MF-$0.65; HC-$3.29
Annotated Bibliographies, Business, Industry, Programed Instruction
97 items relevant to programmed instruction in business and industry cover the period since 1960 are listed.

70-006 AC
Residential Adult Education *Current Information Sources, Number 25*, October 1969. 47p. (Annotated Bibliography) ED 032 449 RIE February 1970 MF-$0.65; HC-$3.29
Adult Education, Annotated Bibliographies, Residential Programs
The bibliography contains 113 entries, mainly 1964 or later, covering the residential method, historical reviews, directories of facilities, conference planning and administration, program descriptions, and bibliographies on instructional methods and techniques.

70-007 AC
Self Concept in Adult Participation; Conference Report and Bibliography November 1969. 70pp. (Conference Report) ED 033 252 RIE March 1970 MF-$0.65; HC-$3.29
Adult Education, Attitudes, Learning Motivation, Participation, Self Concept
3 adult education conference papers, together with abstracts, are presented on adult education participation and self-concept. Propositions regarding behavior and motivation are discussed in the context of a theory of self-concept. Also considered are the ways in which conflicting psychological needs, role transition, and the attitude or sense of powerlessness affect adult learning.

70-008 AC
Knowles, Malcolm S. **Higher Adult Education in the United States; The Current Picture, Trends and Issues** 1969. 124p. (State-of-the-Art Review) ED 034 145 RIE April 1970 HC-available from American Council on Education, One Dupont Circle, Washington, D.C. 20036. $3.00
Adult Education, Educational Trends, Higher Education, Literature Reviews, Universities
This survey provides a guide for discussion and inquiry for administrators and faculty members of higher educational institutions, people in government who work in adult education, and citizens who are concerned with this area of educational services. Essentially, it is an analysis of the literature of higher adult education from 1960 through 1968.

70-009 AC
DeCrow, Roger **Physical Facilities in the Education and Training of Adults: Memorandum on Sparse Research and Development Literature** March 10, 1970. 83p. (Review Paper) ED 036 677 RIE July 1970 MF-$0.65; HC-$3.29
Adult Education, Evaluation, Physical Facilities
This is a critical review of adult education facilities in the realm of formal education, as well as in business and industry, churches and synagogues, community organizations, government agencies, the armed forces, and proprietary schools. Various implications and unanswered questions are raised. Contains a 50-item annotated bibliography.

70-010 AC
DeCrow, Roger; Grabowski, Stanley M., eds. **Research and Investigation in Adult Education; 1969 Annual Register** September 1969. 150p. (Annotated Bibliography) ED 030 774 RIE December 1969 MF-$0.65; HC-$6.58
Adult Education, Annotated Bibliographies, Investigations, Research
An author index and numerous cross references are included with these 490 abstracts of research studies in adult education which were completed and reported since the 1968 compilation.

70-011 AC
Grabowski, Stanley M., ed. **Abstracts of Papers Presented to the National Seminar on Adult Education Research, Toronto, February 9-11, 1969** July 1969. 46p. (Annotated Bibliography) ED 030 003 RIE November 1969 MF-$0.65; HC-$3.29
Abstracts, Adult Education, Research
34 research papers in adult education which were given at the 1969 National Seminar on Adult Education Research are abstracted.

70-012 AC
Grabowski, Stanley M. **Continuing Education in the Professions** *Adult Leadership*, v19 n1, pp.34-35, May 1970. (Review)
Literature Reviews, Professional Continuing Education
A discussion of some of the literature on continuing education in the professions processed by the ERIC Clearinghouse on Adult Education.

70-013 AC
Grabowski, Stanley M. **Education for Leisure** *Adult Leadership*, v18 n3, p99-100, September 1969. (Review)
Leisure Time, Annotated Bibliographies
Some of the literature on education for leisure processed by the ERIC Clearing house on Adult Education is noted.

70-014 AC
Grabowski, Stanley M. **Education for Rehabilitation** *Adult Leadership*, v8 n6, p.186-187, December 1969. (Review)
Correctional Education, Rehabilitation
This document cites examples of literature pertaining to education for rehabilitation of public offenders.

70-015 AC
Grabowski, Stanley M. **Federal Funding of Adult Education** *Adult Leadership*, v18 n9, p.293-294, March 1970. (Review)
Adult Education, Federal Aid, Financial Support
Examples of literature dealing with federal funding of adult education are cited.

70-016 AC
Grabowski, Stanley M. **New Careers for Nonprofessionals in the Human Services** *Adult Leadership*, v18 n7, pp.221-222, January 1970. (Review)
Human Services, Educational Opportunities, Subprofessionals, Bibliographies [New Careers Programs]
A compilation of literature on new careers in the employment of non-professionals in the human services.

70-017 AC
Grabowski, Stanley M. **The University and Public Service** *Adult Leadership*, v18 n5, pp.151, 163, November 1969. (Review)
Universities, Community Services, Literature Reviews
A review of current literature about the university and public service.

70-018 AC
Heffernan-Cabrera, Patricia **A Handbook for Teachers of English to Non-English Speaking Adults** October 1969. 69p. (Review Paper) ED 033 335 RIE March 1970 MF-$0.65; HC-$3.29
Adult Education, English (Second Language), Language Instruction, Teaching Guide, Teaching Methods
This is a practical manual on second language learning and TESOL methodology, materials and evaluation. (duplicate to 70-176 AL).

70-019 AC
Schadt, Armin L. **Adult Education in Germany: Bibliography** 1969. 49p. (Annotated Bibliography) ED 029 167 RIE October 1969 MF-$0.65; HC-$3.29
Abstracts, Adult Education, Bibliographies, German, Historical Reviews [Germany]
This is a listing of 100 German-language documents on adult education in Germany, listed in three historical periods with a supplement of 13 English-language document abstracts.

70-020 AC
Whipple, James B. **Community Service and Continuing Education: Literature Review** *Occasional Papers, Number 21*, June 1970. 81p. (Review Papers) ED 038 550 RIE September 1970 MF-$0.65; HC-$3.29
Community Service Programs, Professional Continuing Education, State Programs, University Extension, Urban Extension
This document includes a literary examination of the relationship between community service and continuing education as revealed in the substance, audience, and methods of Title I programs. The role of higher education in community service and continuing education is also covered.

70-021 CG
Lee, Pam, ed. **Caps Capsule. Volume 3, Number 1** Fall 1969. 27p. (Review) ED 033 253 RIE March 1970 MF-$0.65; HC-$3.29
Counseling Services, Guidance Services, Information Services, International Programs, Newsletters
The specific personnel services in other countries which are discussed are: (1) counseling services in Europe, (2) counseling services in Latin America and (3) counseling services in England. Also included are annotated listings of ERIC documents on international guidance and innovative programs in personnel services and listings of center activities.

70-022 CG
Mattson, Judith, ed. **Caps Capsule. Volume 3, Number 2** Winter 1970. 28p. (Review) ED 035 783 RIE June 1970 MF-$0.65; HC-$3.29
Annotated Bibliographies, Counseling Programs, Educational Programs, Evaluation, Newsletters
Concerning the concept and structure of the National Assessment of Educational Progress (NAEP) the following are discussed: (1) NAEP's origin, (2) the subject areas selected for assessment, (3) the development and use of program tests, (4) how information is reported and used and (5) future goals of the program. Critical assessments and analyses of NAEP follow.

70-023 CG
Miller, Juliet V., ed. **Integrated Personnel Services Index. Volume 1, Number 2** December 1969. 339p. (Annotated Bibliography) ED 031 773 RIE January 1970 MF-$0.65; HC-$13.16
Annotated Bibliographies, Bibliographies, Personnel, Publications, Student Personnel Services
This index is designed to provide information about knowledge resources currently available in all fields of student services.

70-024 CG
Mattson, Judith, ed. **Integrated Personnel Services Index. Volume 2, Number 1** June 1970. 437pp. (Annotated Bibliography) ED 037 594 RIE August 1970 MF-$0.65; HC-$16.45
Annotated Bibliographies, Bibliographies, Personnel, Publications, Student Personnel Services
The Integrated Personnel Services Index (IPSI), designed to provide information about knowledge resources currently available in all fields of student services, is divided into 3 major sections: (1) resume section, (2) subject index and (3) author index. Within the subject index, resources are grouped according to seven subject groupings. Availability of all resources is given.

70-025 CG
Hansen, Lorraine S.; And Others **Career Guidance Practices in School and Community** 1970. 200p. (Review) ED 037 595 RIE August 1970 MF-$0.65; HC-$6.58
Career Planning, Guidance Programs, Occupational Guidance, Research Reviews (Publications, Vocational Development
From a survey of state departments of education, professional journals, research reports, colleges and universities, conference reports, vocational guidance specialists, and individual school systems proven programs and techniques related to the school curriculum are selected. The monograph is organized into 6 chapters: (1) summarizes principles and trends of career development, (2) describes current practices and programs, (3) presents school-community projects, (4) discusses computer oriented systems, (5) presents concerns central to vocational education and examples of programs and (6) presents supplementary references and a subject index.

70-026 CG
Harrison, Don K. **Prevocational Training for the Hard-to-Employ--A Systems Approach** *Personnel Services Review. Series 2. Perspectives on Training the Disadvantaged*, May 1970. 10p. (Review) ED 038 562 RIE September 1970 MF-$0.65; HC-$3.29
Counseling, Educational Programs, Job Training, Programed Instruction, Remedial Instruction
The systems approach emphasizes the achievement of goals and sub-goals through an interplay of program components. It utilizes programmed instruction that is highly detailed, has a built-in reward system, and provides personal support and counselling for each trainee.

70-027 CG
Harrison, Don K. **Recruiting the Hard-to-Employ** *Personnel Services Review. Series 2. Perspectives in Training the Disadvantaged*, May 1970. 9p. (Review) ED 038 560 RIE September 1970 MF-$0.65; HC-$3.29
Disadvantaged Youth, Employment, Employment Services, Negro Employment, Recruitment
A special company recruiting agent, who can move freely in the community and go into the community centers and pool halls is needed to find and attract the hard-to-employ. Private firms, which can be located with help of local Chamber of Commerce or National Association of Businessmen, specialize in training the chronically unemployed, these firms also do the recruiting. However, recruiting is but the first step in support for the hard-to-employ; special programs will need genuine support of top management, supervisory personnel, and plant workers.

70-028 CG
Harrison, Don K.; Brown, Dorothy R. **Approaches to Selection and Hiring** *Personnel Services Review. Series 2. Perspectives on Training the Disadvantaged*, May 1970. 10p (Review) ED 038 561 RIE September 1970 MF-$0.65; HC-$3.29
Employment Interviews, Job Application, Negro Employment, Selection, Tests
Traditional employment screening procedures; the interview, the job application, the high school diploma and work try-outs, may screen out the hard-to-employ. Employment testing may reflect the trainee's anxiety, cultural differences and inability to read rather than his potential capability as a worker. This monograph questions the traditional employment screening techniques for the chronically unemployed and suggests some alternatives.

70-029 CG
Harrison, Don K.; Brown, Dorothy R. **The Hard-to-Employ--Who Are They?** *Personnel Services Review. Series 2. Perspectives in Training the Disadvantaged*, May 1970. 9p. (Review) ED 038 559 RIE September 1970 MF-$0.65; HC-$3.29
Cultural Disadvantagement, Economic Disadvantagement, Educational Disadvantagement, Social Disadvantagement, Unemployment
The hard to employ, both urban and rural, share common characteristics: (1) inadequate income, (2) slum housing, (3) inferior education, (4) no medical attention and (5) lack of real job opportunities. But there is optimism in reclamation of the so-called disadvantaged for social and economic reasons. This group is an unrealized manpower source that may reach fruition through special training programs that offer job and personal support.

70-030 CG
Harrison, Don K.; Brown, Dorothy R. **Retention of the Hard-to-Employ** *Personnel Services Review. Series 2. Perspectives on Training the Disadvantaged*, May 1970. 10p. (Review) ED 038 563 RIE September 1970 MF-$0.65; HC-$3.29
Child Care Center, Health Services, Legal Aid Projects, Retention, Recreational Counseling
Although calculated by various statistical methods, retention (in this monograph) refers to the time a formerly unemployed worker stays on a new job. The chronically unemployed need special assistance to get a job and keep it. The special assistance or support for the new employee may come from divergent sources such as the highly-trained clinical psychologist or the buddy system that utilizes a fellow employee with a background comparable to that of the new employee.

70-031 CG
Kersch, Susan F. **Simulation Gaming** *Personnel Services Review. Series 1. Innovation in the Training and Supervision of Counselors*, March 1970. 10p. (Review) ED 036 671 RIE July 1970 MF-$0.65; HC-$3.29
Counselor Training, Educational Games, Innovation, Program Descriptions, Simulation
Focusing on innovations in the training and supervision of counselors, this review discusses simulation gaming by providing: (1) a definition of the procedure, (2) a description of models of practice, (3) a discussion of the effects of using simulation gaming, (4) suggestions for possible applications of the procedure and (5) questions to consider when designing or using simulation gaming experiences. A bibliography is included.

70-032 CG

Miller, Juliet A. **Co-Counseling** *Personnel Services Review. Series 1. Innovation in the Training and Supervision of Counselors,* March 1970. 9p. (Review) ED 036 673 RIE July 1970 MF-$.065; HC-$3.29

Cocounseling, Counselor Performance, Counselor Training, Practicum Supervision

This is one of a series which focuses on innovations in the training and supervision of counselors. It discusses co-counseling by providing: (1) a definition of the procedure; (2) a description of models of practice; (3) a discussion of the effects of using co-counseling; (4) suggestions for possible applications of the procedure; and (5) steps to follow when designing co-counseling experiences. A bibliography is included.

70-033 CG

Miller, Juliet V. **Micro-Counseling** *Personnel Services Review. Series 1. Innovation in the Training and Supervision of Counselors,* March 1970. 11p. (Review) ED 036 672 RIE July 1970 MF-$0.65; HC-$3.29

Counselor Performance, Counselor Training, Microcounseling, Practicum Supervision

This paper, one of a series which focuses on innovations in the training and supervision of counselors, discusses micro-counseling by providing: (1) a definition of the procedure; (2) a description of models of practice; (3) a discussion of the effects of using micro-counseling; (4) suggestions for possible applications of the procedure; and (5) steps to follow when designing micro-counseling experiences. A bibliography is included.

70-034 CG

Miller, Juliet V. **Intensive High School Occupational Guidance Approaches for Initial Work and Technical School Placement** November 1969. 15p. (Annotated Bibliography) ED 033 254 RIE March 1970 MF-$0.65; HC-$3.29

Annotated Bibliographies, Employment Opportunities, Occupational Guidance, Program Development, Noncollege Preparatory Students

This bibliography includes research and descriptions of innovative programs in working with the non-college bound student. Intensive occupational guidance is needed to insure successful job entry and continued vocational development. Research findings about the current occupational choice patterns of these youth and suggestions for development of the guidance services needed are included.

70-035 CG

Miller, Juliet V.; Sloan, Nancy E. **Innovations in Personnel Services** March 1970. 31p. (Conference Report) ED 036 660 RIE July 1970 MF-$0.65; HC-$3.29

Counseling, Innovation, Program Development, Pupil Personnel Workers

This report presents short descriptions of and existing-program examples for 29 innovations in the personnel services. The topics chosen as innovations represent a wide range of concerns of counselors and other pupil personnel workers at various educational levels.

70-036 CG

Sloan, Nancy E. **Family Counseling** *Personnel Services Review. Series 3. Human Resources in the Guidance Programs,* March 1970. 13p. (Review) ED 036 674 RIE July 1970 MF-$0.65; HC-$3.29

Family Counseling, Family Relationship, Group Counseling, Program Development, Research Reviews (Publications)

Descriptions of family counseling programs in schools and other settings are presented. The program models include different group and individual counseling structures and different goals in work with families. Guides to the development of a program within the school guidance setting are included.

70-037 CG

Sloan, Nancy E. **Students in Helping Roles** *Personnel Services Review. Series 3. Human Resources in the Guidance Programs,* March 1970. 10p (Review) ED 036 675 RIE July 1970 MF-$0.65; HC-$3.29

Counseling Programs, Peer Groups, Peer Teaching, Program Development, Student Participation

7 models of elementary, secondary, and college level programs which use students as aides to counselors and teachers are presented. The programs selected emphasize the effectiveness of student-to-student programs which focus upon academic, social or personal adjustment problems under the supervision of a trained adult. Action possibilities and suggestions for program implementation are included.

70-038 CG

Sloan, Nancy E. **Orientation Approaches to Increase Student Awareness of Occupational Options** November 1969. 16p. (Annotated Bibliography) ED 033 255 RIE March 1970 MF-$0.65; HC-$3.29

Bibliographies, Guidance Programs, Program Development, Vocational Development

This annotated bibliography includes research and innovative programs on vocational orientation with emphasis on increasing student awareness of career possibilities at all grade levels through effective exploratory programs. Suggestions for program development are given.

70-039 CG

Walz, Garry R.; And Others **A Set of Generalizations and Implications for New Developments in Guidance and Personnel Services: Guidance and Student Services for the Culturally Different** March 1970. 13p. (Conference Report) ED 037 596 RIE August 1970 MF-$0.65; HC-$3.29

Culturally Disadvantaged, Guidance Programs, Guidance Services, Student Personnel Programs, Student Personnel Services

Members of the ERIC/CAPS staff developed generalizations and implications in the following areas: (1) retraining the culturally different for work adjustment, (2) training counselors to work with the culturally different, (3) vocational guidance programs for the culturally different, (4) college student personnel programs for the culturally different and (5) community/junior college student personnel programs for the culturally different.

70-040 PS

Childhood Resources Information Bulletin. Volume 1, Number 2 Fall 1969. 60p. (Serial Publication) ED 032 948 RIE February 1970 MF-$0.65; HC-$3.29

Activities, Early Childhood Education, Preschool Programs, Teaching Guides, Educational Research

This is a collection of research resumes and reviews of useful booklets for teachers, parents, and administrators working in early childhood education. It contains 53 articles on preschool programs, program guides, research, and activities for children.

70-041 PS

Becker, Wesley C.; And Others **Reducing Behavior Problems: An Operant Conditioning Guide for Teachers** November 1969. 20p. (Handbook) ED 034 570 RIE April 1970 MF-$0.65; HC-$3.29

Behavior Problems, Classroom Techniques, Guides, Operant Conditioning

3 procedures for the systematic use of reinforcement and punishment to strengthen positive and weaken negative behaviors in the classroom are described. These procedures are considered useful for parents and teachers.

70-042 PS

Gordon, Ira J. **Parent Involvement in Compensatory Education** June 1970. 89p. (Review) ED 039 954 RIE October 1970 MF-$0.65; HC-$3.29

Compensatory Education Programs, Parent Participation, Preschool Programs, Research Reviews (Publications)

The parental role in early compensatory education programs is described.

70-043 PS

Jensen, Arthur R. **Understanding Readiness: An Occasional Paper** August 1959. 17p. (Review) ED 032 117 RIE January 1970 MF-$0.65; HC-$3.29

Cognitive Development, Learning Processes, Readiness (Mental), Skill Development

This article defines readiness to learn. Learning problems of disadvantaged children might be avoided if readiness and lack of readiness were discerned in the primary grades.

70-044 PS

Katz, Lilian G. **Sentimentality in Preschool Teachers: Some Possible Interpretations** March 1970. 16p. (Review) ED 035 792 RIE June 1970 MF-$0.65; HC-$3.29

Preschool Teachers, Teacher Characteristics, Teacher Role, Teacher Sterotypes [Sentimentality]

In this review, functions of sentimentality are interpreted. Hypothesized relationships between teacher attributes and working conditions are proposed.

70-045 PS

Katz, Lilian G. **Teaching in Preschools: Roles and Goals** v17 n2, April 1970. 18p. (Review) ED 032 942 RIE February 1970 MF-$0.65; HC-$3.29

Preschool Teachers, Teacher Role, Teaching Styles

This review discusses teacher role and teacher style and defines three basic role models. Current limited knowledge suggests role models may not be as important as individual teaching styles.

70-046 PS

White, Doris, comp. **Multi-Ethnic Books for Head Start Children. Part I: Black and Integrated Literature** 1969. 38p. (Annotated Bibliography) ED 031 312 RIE December 1969 MF-$0.65; HC-$3.29

Annotated Bibliographies, Booklists, Childrens Books, Negro Literature [Head Start]

This bibliography directs adults to selected black and integrated literature for all children. The books included reflect an independent reading level of kindergarten through second grade.

70-047 EA

Collective Negotiations in Education *ERIC Abstracts: A Collection of ERIC Document Resumes. ERIC Abstract Series, Number 1,* August 1969. 35p. (Bibliography) ED 035 978 RIE June 1970 MF-$0.65; HC-$3.29

Abstracts, Annotated Bibliographies, Bibliographic Citations, Collective Negotiations, Public Education

Resumes of 62 ERIC documents that were announced in RESEARCH IN EDUCATION through June 1969 are listed. A subject index is cross-referenced with the document listing.

70-048 EA

Human Relations in Educational Administration *ERIC Abstracts: A Collection of ERIC Document Resumes. ERIC Abstract Series, Number 2,* August 1969. 19p. (Bibliography) ED 035 979 RIE June 1970 MF-$0.65; HC-$3.29

Abstracts, Human Relations, Interaction Process Analysis, Sensitivity Training, T Groups

Resumes of 24 ERIC Documents that were announced in RESEARCH IN EDUCATION through June 1969 are listed. A subject index is cross-references with the document listing.

70-049 EA

Public Relations in Education *ERIC Abstracts: A Collection of ERIC Document Resumes. ERIC Abstract Series, Number 3,* October 1969. 36p. (Bibliography) ED 036 890 RIE July 1970 MF-$0.65; HC-$3.29

Abstracts, Annotated Bibliographies, Bibliographic Citations, Public Relations

Resumes of 55 ERIC Documents that were announced in RESEARCH IN EDUCATION through September 1969 are listed. A subject index is cross-referenced with the document listing.

70-050 EA
Politics and Power Structure: Influence on Education *ERIC Abstracts: A Collection of ERIC Document Resumes. ERIC Abstract Series, Number 4,* October 1969. 24p. (Bibliography) ED 036 891 RIE July 1970 MF-$0.65; HC-$3.29
Abstracts, Annotated Bibliographies, Bibliographic Citations, Political Power, Power Structure
Resumes of 31 ERIC documents that were announced in RESEARCH IN EDUCATION through September 1969 are listed. A subject index is cross-referenced with the document listing.

70-051 EA
Program Budgeting and Cost Analysis *ERIC Abstracts: A Collection of ERIC Document Resumes. ERIC Abstract Series, Number 5,* January 1970. 34p. (Bibliography) ED 036 892 RIE July 1970 MF-$0.65; HC-$3.29
Abstracts, Annotated Bibliographies, Bibliographic Citations, Cost Effectiveness, Program Budgeting
Resumes of 51 ERIC documents that were announced in RESEARCH IN EDUCATION through October 1969 are listed. A subject index is cross-referenced with the document listing.

70-052 EA
Urban Crises in Education Administration *ERIC Abstracts: A Collection of ERIC Document Resumes. ERIC Abstract Series, Number 6,* January 1970. 38p. (Bibliography) ED 036 893 RIE July 1970 MF-$0.65; HC-$3.29
Abstracts, Annotated Bibliographies, Bibliographic Citations, Urban Education, City Problems, Slum Schools, Urban Schools, Educational Administration
Resumes of 57 ERIC documents that were announced in RESEARCH IN EDUCATION through November 1969 are listed. A subject index is cross-referenced with the document listing.

70-053 EA
Impact of Racial Issues on Educational Administration *ERIC Abstracts: A Collection of ERIC Documents. ERIC Abstract Series, Number 7,* January 1970. 32p. (Bibliography) ED 037 824 RIE August 1970 MF-$0.65; HC-$3.29
Abstracts, Annotated Bibliographies, Bibliographic Citations, Racial Integration, School Integration
Resumes of 46 ERIC documents that on the impact of racial issues on educational administration that were announced in Research in Education through November 1969 are listed. A subject index is cross-referenced with the document listing.

70-054 EA
Systems Approaches in Education *ERIC Abstracts: A Collection of ERIC Documents. ERIC Abstract Series, Number 8,* March 1970. 50p. (Bibliography) ED 043 093 RIE February 1971 MF-$0.65; HC-$3.29
Abstracts, Clearinghouses, Educational Research, Systems Approach
Resumes of 89 ERIC documents that were announced in Research in Education through January 1970 are listed. A subject index is cross-referenced with the document listing. The series is published and disseminated by the American Association of School Administrators.

70-055 EA
Hall, John S. **Implementing School Desegregation: A Bibliography** *Bibliography Series, Number 16,* March 1970. 28p. (Bibliography) ED 037 825 RIE August 1970 MF-$0.65; HC-$3.29
Annotated Bibliographies, Legal Problems, Negro Education, School Community Relationship, School Integration
The 183 documents are listed alphabetically in four parts: (1) legal background, (2) school-community relations, (3) implementation problems and techniques and (4) evaluation. Emphasis is placed on materials related to present school desegregation policy and implementation efforts. Annotations are provided for several entries.

70-056 EA
Hickey, Michael E. **Optimum School District Size** *Research Analysis Series, Number 1,* December 1969. 40p. (Review) ED 036 108 RIE May 1970 MF-$0.65; HC-$3.29
Program Evaluation, School Districts, School Redistricting, School Size, Student Costs
A wide variety of research literature is analyzed on the following major aspects of local district reorganization: reasons for concern with optimum size, problems involved in determining optimum size, characteristics of inadequate districts, criteria for evaluating optimum size, trends in district reorganization, and summary of research findings on the effect of size on performance.

70-057 EA
Jackson, Kathleen O'Brien, comp. **Annotated Bibliography on School-Community Relations** July 1969. 25p. (Annotated Bibliography) ED 030 220 RIE November 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, Educational Administration, Elementary Education, School Community Relationship, Secondary Education
The 79 citations include books, articles, pamphlets, dissertations, and other items published between 1964 and 1969 that deal with school-community relations on the elementary and secondary education levels.

70-058 EA
Kiebe, John A., comp.; Smith, Stuart C., ed. **Selected Bibliography on Educational Parks** *Bibliography Series, Number 15,* July 1969. 11p. (Bibliography) ED 030 219 RIE November 1969 MF-$0.65; HC-$3.29
Bibliographies, Disadvantaged Youth, Educational Parks, Equal Education, Urban Schools
63 books, articles, and other published materials dating from 1964 to 1969 on the subject of educational parks are cited. Items listed in the bibliography include evaluation of the educational park concept and case studies of parks in operation.

70-059 EA
Piele, Philip K.; Bunting, David G. **Program Budgeting and the School Administrator: A Review of Dissertations and Annotated Bibliography** *Review Series, Number 2,* September 1969. 50p. (Review Paper) ED 035 065 RIE May 1970 MF-$0.65; HC-$3.29
Administrator Guides, Annotated Bibliographies, Educational Finance, Program Budgeting, Research Reviews (Publications)
Emphasizing the practical applications of program budgeting to school administration, the review covers shortcomings of traditional budgeting practices, problems with the use of program budgeting, opposition to program budgeting, and its uses. 22 dissertations comprise the annotated bibliography.

70-060 EA
Smith, Stuart C., comp. **A Directory of Organizations and Personnel in Educational Administration** September 1969. 90p. (Directory) ED 033 467 RIE March 1970 MF-$0.65; HC-$3.29
Directories, Educational Administration, Educational Research, Educational Researchers, Organizations (Groups)
The addresses, subjects of research, available publications, and other information for 122 organizations and 125 individuals involved in educational administration research are given. Subject indexes are provided for both organizational and personnel sections.

70-061 EF
Design Needs of the Physically Handicapped. A Selected Bibliography May 1970. 20p. (Selected Bibliography) ED 037 992 RIE August 1970 MF-$0.65; HC-$3.29
Annotated Bibliographies, Building Design, Design Needs, Equipment, Physically Handicapped
The facility and equipment design needs of the physically handicapped are described and listed as reference and material sources.

70-062 EF
The Luminous Environment for Education. A Selected Bibliography May 1970. 49p. (Selected Bibliography) ED 037 993 RIE August 1970 MF-$0.65; HC-$3.29
Bibliographies, Design Needs, Environmental Criteria, Lighting Design, Visual Environment
The compilation is a survey of the literature pertinent to the design of lighting for educational facilities. The contents are selected to be an overview of the topic while maintaining a technical level comprehensible to the layman concerned with school planning and design.

70-063 EF
Science Facilities. An Interpretive Bibliography May 1970. 82p. (Annotated Bibliography) ED 037 994 RIE August 1970 MF-$0.65; HC-$3.29
Annotated Bibliographies, Laboratory Equipment, Science Equipment, Science Facilities, Science Laboratories
A reference list of facilities is organized into the following sections: biology, chemistry, physics, astronomy, elementary and secondary school science, and college and university science facilities. Planning the science laboratory is also included.

70-064 EF
Systematic Methods in School Planning, Programing and Design. A Selected Bibliography January 1970. 46p. (Selected Bibliography) ED 035 267 RIE May 1970 MF-$0.65; HC-$3.29
Bibliographies, Decision Making, Problem Solving, School Design, Systems Approach
A selected reference list is presented of 94 source publications. The bibliography is organized in the following 4 sections: architectural design, design (general), decision making, and planning.

70-065 EF
Hartman, Michael; And Others **The Fifth Grade Classroom** April 1970. 109p. (State-of-the-Art Paper) ED 037 982 RIE August 1970 MF-$0.65; HC-$6.58
Classroom Design, Classroom Environment, Elementary Schools, Equipment, Student Needs, Design Needs
An interdisciplinary design project report investigates the relationship of the fifth grade educational facility to student and teacher needs in light of human and environmental factors.

70-066 EF
Isler, Norman P. **Cost Factors in the Planning, Design, Financing and Construction of Elementary and Secondary Educational Facilities. An Interpretive Bibliography** February 1970. 70p. (Annotated Bibliography) ED 035 268 RIE May 1970 MF-$0.65; HC-$3.29
Bibliographies, Capital Outlay (For Fixed Assets), Construction Costs, Educational Finance, Educational Planning
97 documents concerned with cost implications of educational facilities at the elementary and secondary levels are included in this interpretive bibliography. The references are classified according to content within the following categories: economics in school construction, school bond elections, renovating and remodeling, construction programs in specific areas, design methodologies and construction procedures, urban school construction, and Federal and state aid.

70-067 EF
Isler, Norman P. **Planning in Higher Education. An Interpretive Bibliography. Part I: Facilities and Space Utilization** November 1969. 46p. (Annotated Bibliography) ED 032 743 RIE February 1970 MF-$0.65; HC-$3.29
Bibliographies, Campus Planning, College Buildings, College Planning, Higher Education
Procedures for making facilities and space utilization studies, uses of the computer for facility and space requirements, and case descriptions of space and facility utilization studies are the sections into which the reference list is organized.

70-068 EF

Isler, Norman P. **Planning in Higher Education. An Interpretive Bibliography. Part II: Campus Planning** November 1969. 42p. (Annotated Bibliography) ED 032 744 RIE February 1970 MF-$0.65; HC-$3.29

Bibliographies, Campus Planning, College Buildings, College Planning, Urban Universities

The subjects covered are: guidelines and concepts in campus planning, planning the urban college, mathematical and computer aids in campus planning, the architect and college buildings, planning the physical plant, and further bibliographies in campus planning.

70-069 EF

Isler, Norman P. **Planning in Higher Education. An Interpretive Bibliography. Part III. Special Facilities in Higher Education Planning** November 1969. 40p. (Annotated Bibliography) ED 032 745 RIE February 1970 MF-$0.65; HC-$3.29

Arts Centers, Bibliographies, College Planning, Parking Facilities, Science Facilities

The references are organized into the following sections: fine arts and communications arts facilities, science facilities, campus traffic facilities, and miscellaneous special facilities.

70-070 EF

Isler, Norman P. **Planning in Higher Education. An Interpretive Bibliography. Part IV: Case Histories in Campus Planning** November 1969. 44p. (Annotated Bibliography) ED 032 746 RIE February 1970 MF-$0.65; HC-$3.29

Bibliographies, Campus Planning, College Buildings, College Planning, Master Plans

The following subjects are covered in this bibliography: master development plans, state plans for higher education, campus location, and moving the campus.

70-071 EF

Isler, Norman P. **Planning in Higher Education. An Interpretive Bibliography. Part V: Financial Aspects of Higher Education Planning** November 1969. 19p. (Annotated Bibliography) ED 032 747 RIE February 1970 MF-$0.65; HC-$3.29

Bibliographies, Campus Planning, Educational Finance, Financial Needs, Financial Support

The 13 documents include treatment of the following areas: the financial planning phase of a total campus plan, legislative control, allocation formulae, the unit cost approach, construction financing for academic facilities and student housing, land acquisition, and the role of the department of physical plant.

70-072 EF

Isler, Norman P. **Planning in Higher Education. An Interpretive Bibliography. Part VI: The Community and Junior College** November 1969. 64p. (Annotated Bibliography) ED 032 748 RIE February 1970 MF-$0.65; HC-$3.29

Bibliographies, College Buildings, College Planning, Community Colleges, Junior Colleges

The reference list is organized into the following sections: philosophical considerations, guidelines for planning the physical plant, financial aspects of junior and community college planning, space requirements for junior and community colleges, the junior and community college site, libraries and study facilities, and individual case examples.

70-073 EF

Isler, Norman P. **Operating Costs of Educational Facilities** March 1970. 58p. (Annotated Bibliography) ED 037 964 RIE August 1970 MF-$0.65; HC-$3.29

Annotated Bibliographies, Educational Finance, Operating Expenses, Property Accounting, Purchasing

The results of a comprehensive search through the ERIC/CEF file as of March 1970, is organized into the following classifications: school business, maintenance and operations, insurance programs, property accounting, purchasing, and food service.

70-074 EF

Isler, Norman P. **Temporary School Facilities. An Annotated Bibliography** December 1969. 16p. (Annotated Bibliography) ED 035 568 RIE March 1970 MF-$0.65; HC-$3.29

Bibliographies, Classrooms, Mobile Classrooms, Prefabrication, School Construction

Covered are references to documents concerned with temporary, protable, or mobile schools and classrooms. Documents include publications by state departments of education, Educational Facilities Laboratories, the Association of School Business Officials, and the American Plywood Association.

70-075 EF

Smoll, Frank L. **Areas and Facilities for Physical Education and Recreation. An Interpretive Bibliography** January 1970. 100p. (Annotated Bibliography) ED 035 266 RIE May 1970 MF-$0.65; HC-$3.29

Annotated Bibliographies, Field Houses, Gymnasiums, Physical Education Facilities, Recreation Facilities

References selected from a comprehensive search through the ERIC/CEF file as of January 1970 are listed in the following sections: indoor physical education facilities, outdoor physical education areas and facilities, indoor and outdoor physical education areas and facilities, and recreation areas and facilities.

70-076 EF

Wakefield, Howard E.; Bloomfield, Byron C. **Educational Facilities Literature 1968. A Bibliographic Review** September 1969. 19p. (Annotated Bibliography) ED 032 742 RIE February 1970 MF-$0.65; HC-$3.29

Bibliographies, Building Design, Educational Administration, School Maintenance, School Planning

An interpretive bibliography is presented of 1968 publications having direct relevance to the planning, programing, design, administration, or operation of educational facilities.

70-077 EM

Coombs, Don H.; And Others **Instructional Materials Centers** *A Series 3 Collection from ERIC at Stanford,* December 1969. 17p. (Annotated Bibliography) ED 034 438 RIE April 1970 MF-$0.65; HC-$3.29

Instructional Materials Centers, Instructional Materials

49 documents relevant to the subject of instructional materials centers are listed and synopsized in this pamphlet.

70-078 EM

Edling, Jack V. **Individualized Instruction. Case Studies** June 1970. 92p. (Case Studies) ED 041 452 RIE December 1970 ($0.25 per case study, minimum order of $1.00; $10.00 per set (46). Order from the Institute for Communication Research, Stanford, California 94305.)

Case Studies (Education), Elementary Education, Individualized Instruction, Secondary Education

The various approaches of 46 different elementary and secondary schools to the complex problem of individualizing instruction are presented. Each case study includes the goals, instructional techniques, new teacher skills, effects on students, costs, problems, and a summary of its program.

70-079 EM

Farr, Richard S. **Knowledge Linkers and the Flow of Educational Information** *An Occasional Paper from ERIC at Stanford,* September 1969. 17p. (State-of-the-Art Paper) ED 032 438 RIE February 1970 MF-$0.65; HC-$3.29

Communication (Thought Transfer), Educational Research, Information Centers, Information Dissemination, Research Utilization

A discussion and brief analysis of the educational knowledge flow system, the adoption process, and the linker's role therein is presented. A 13-item bibliography is included.

70-080 EM

Feldhusen, John H.; Lorton, Paul, Jr. **A Position Paper on CAI Research and Development** *A Series 2 Paper from ERIC at Stanford,* February 1970. 33p. (State-of-the-Art Paper) ED 036 204 RIE June 1970 MF-$0.65; HC-$3.29

Computer Assisted Instruction, Educational Development, Educational Research

Recommendations are proffered for Computer Assisted Instruction (CAI) systems improvements prior to new research. These include replacing the typed message with an inexpensive cathode ray tube, developing the student interface as an efficient and pleasant carrel which affords access to several media, making available time sharing service and terminals to avoid artificial constraints on instruction, developing one set of programing languages for several modes of instruction and for the author mode, and developing some lengthy courses to serve as vehicles of research and as models of CAI potential.

70-081 EM

Ingle, Henry T. **Dial Access in Education** *A Series 3 Paper from ERIC at Stanford,* March 1970. 9p. (Annotated Bibliography) ED 038 875 RIE September 1970 MF-$0.65; HC-$3.29

Annotated Bibliographies, Dial Access Information Systems

This pamphlet is designed to demonstrate what is available in the ERIC system on dial access in education, a retrieval technique which permits a large variety of learning materials to be electronically delivered. 10 annotated references published between 1962 and 1968 comprise the major portion of the pamphlet.

70-082 EM

Morgan, Robert M. **A Review of Educational Application of the Computer, Including Those in Instruction, Administration and Guidance** *A Series 2 Paper from ERIC at Stanford,* August 1969. 13p. (State-of-the-Art Paper) ED 032 768 RIE February 1970 MF-$0.65; HC-$3.29

Computer Assisted Instruction, Computer Oriented Programs, Educational Improvement, Educational Technology

In reviewing the educational applications of computers, the author concentrates on a proposed OE program, Computer Utility for Educational System (CUES), designed to provide demonstration centers of feasible and economic computer applications in instruction, administration and vocational guidance.

70-083 EM

Paisley, William **Sources of Information on Social Issues: Education, Employment, Public Health and Safety, Population, Etc. A Brief Guide for Journalists and Others** *An Occasional Paper from ERIC at Stanford,* September 1969. 36p. (Source Guide) ED 032 437 RIE February 1970 MF-$0.65; HC-$3.29

Information Centers, Information Sources, Resource Guides

Print sources, listed to show continuity in the "people-print-people" cycle, are offered on the subjects of education, public health and safety, business, labor, employment, economics, and government. Information centers are listed according to the same subject areas as the print sources, each reference containing a brief descriptive passage.

70-084 EM

Roberts, Karlene H. **Understanding Research: Some Thoughts on Evaluating Completed Educational Projects** *An Occasional Paper from ERIC at Stanford,* July 1969. 32p. (Review) ED 032 759 RIE February 1970 MF-$0.65; HC-$3.29

Educational Research, Policy Formation, Research Criteria, Research Utilization, Validity

Intended primarily for persons evaluating educational research proposals or projects for their scientific merit and application to policy formation, this paper underscores basic points to be noted in assessing a research report and then offers a more extended discussion of these points for the interested reader.

70-085 EM
Twelker, Paul A. **A Basic Reference Shelf on Simulation and Gaming** *A Series I Paper from ERIC at Stanford*, June 1970. 18p. (Annotated Bibliography) ED 041 487 RIE December 1970 MF-$0.65; HC-$3.29
Annotated Bibliographies, Educational Games, Literature Guides, Simulation
In discussing simulation and gaming, the author defines an ancestral list of the innovation (simulator trainers, games, and role-playing), and then identifies and reports on three types of techniques which are considered representative: Media Ascendant Simulation, Interpersonal Ascendant Simulation, and Non-Simulation Games. The rest of the document consists of relevant annotated references.

70-086 EM
Wade, Serena E. **The Effect of Different Television Utilization Procedures on Student Learning. Final Report** April 1968. 42p. (Review) ED 031 958 RIE January 1970 MF-$0.65; HC-$3.29
Discussion (Teaching Technique), Questioning Technique, Teaching Techniques, Televised Instruction, Television Research
The learning of science from television lessons by fifth grade students when their teachers were randomly assigned to one of 3 television utilization (preparation and follow-up) methods is investigated. Results suggest that a "Socratic utilization method" (questions and answers with immediate feedback) provide the best learning "insurance" for elementary science.

70-087 EM
Zinn, Karl L.; McClintock, Susan **A Guide to the Literature on Interactive Use of Computers for Instruction. Second Edition** *A Series I Paper from ERIC at Stanford*, January 1970. 33p. (Annotated Bibliography) ED 036 202 RIE June 1970 MF-$0.65; HC-$3.29
Computer Assisted Instruction, Computers, Literature Guides
This literature guide defines the domain of interactive uses of computers for instruction, characterized the variety of current activities, lists current books and articles, and identifies likely sources of future publications.

70-088 EC
Behavior Modification and Related Procedures *Exceptional Children Bibliography Series*, November 1969. 8p. (Abstract Bibliography) ED 036 030 RIE June 1970 MF-$0.65; HC-$3.29
Behavior Change, Exceptional Child Research, Handicapped Children
The bibliography contain 27 abstracts of documents dealing with behavior modification, diagnosis, and research into new developments.

70-090 EC
Counseling and Psychotherapy with the Handicapped *Exceptional Children Bibliography Series*, November 1969. 12p. (Abstract Bibliography) ED 036 035 RIE June 1970 MF-$0.65; HC-$3.29
Bibliographies, Counseling, Exceptional Child Services, Handicapped Children, Psychotherapy
A bibliography of 41 abstracts concerns itself with psychotherapy and counseling of the mentally, aurally, and visually handicapped, and also provides information on the emotionally disturbed as well as the physically handicapped.

70-091 EC
Educational Diagnosis and Diagnostic Teaching *Exceptional Children Bibliography Series*, November 1969. (Abstract Bibliography) ED 036 036 RIE June 1970 MF-$0.65; HC-$3.29
Bibliographies, Diagnostic Teaching, Educational Diagnosis, Exceptional Child Education
This compilation of 16 abstracts and their descriptive terms, pertaining to educational diagnosis and diagnostic teaching, includes a subject and author index.

70-092 EC
Emotionally Disturbed: Research Reports *Exceptional Children Bibliography Series*, September 1969. 18p. (Abstract Bibliography) ED 036 028 RIE June 1970 MF-$0.65; HC-$3.29
Bibliographies, Emotionally Disturbed, Exceptional Child Research
44 abstracts and descriptive terms describe research concerning the emotionally disturbed.

70-093 EC
The Gifted *Exceptional Children Bibliography Series*, November 1969. 26p. (Abstract Bibliography) ED 036 027 RIE June 1970 MF-$0.65; HC-$3.29
Bibliographies, Exceptional Child Education, Gifted
This bibliography contains 89 abstracts dealing with counseling, achievement, creativity, characteristics, education, and other topics relating to the gifted.

70-094 EC
Grouping for Instruction *Exceptional Children Bibliography Series*, November 1969. 5p. (Abstract Bibliography) ED 036 034 RIE June 1970 MF-$0.65; HC-$3.29
Bibliographies, Exceptional Child Education, Grouping (Instructional Purposes)
9 abstracts provide information on grouping for instruction including research reports, acceleration, special classes, and the gifted.

70-096 EC
Learning Disabilities: Research Studies and Program Considerations *Exceptional Children Bibliography Series*, September 1969. 32p. (Abstract Bibliography) ED 036 026 RIE June 1970 MF-$0.65; HC-$3.29
Bibliographies, Exceptional Child Research, Learning Disabilities
A listing of 139 abstracts and descriptive terms is concerned with research and program developments in the area of learning disabilities.

70-097 EC
Mental Retardation--General References *Exceptional Children Bibliography Series*, September 1969. 6p. (Abstract Bibliography) ED 036 023 RIE June 1970 MF-$0.65; HC-$3.29
Bibliographies, Exceptional Child Education, Mentally Handicapped
Included are 12 abstracts and descriptive terms designed principally for the general audience dealing with the mentally handicapped.

70-102 EC
Preschool and Early Childhood Education *Exceptional Children Bibliography Series*, November 1969. 29p. (Abstract Bibliography) ED 036 024 RIE June 1970 MF-$0.65; HC-$3.29
Bibliographies, Early Childhood Education, Exceptional Child Education, Handicapped Children
The contents of this bibliography include 108 abstracts with descriptive terms which consider program descriptions, curriculum information, and research reports on preschool and early childhood education and handicapped children.

70-103 EC
Programs for the Emotionally Disturbed *Exceptional Children Bibliography Series*, September 1969. 11p. (Abstract Bibliography) ED 036 027 RIE June 1970 MF-$0.65; HC-$3.29
Bibliographies, Educational Programs, Emotionally Disturbed, Exceptional Child Education
The bibliography of 27 abstracts with their descriptive terms presents documents concerning program descriptions, teaching techniques, and curriculum information for the emotionally disturbed and socially maladjusted. No research reports are included.

70-105 EC
Programs for the Mentally Retarded *Exceptional Children Bibliography Series*, September 1969. 14p. (Abstract Bibliography) ED 036 029 RIE June 1970 MF-$0.65; HC-$3.29
Bibliographies, Educational Programs, Exceptional Child Education, Mentally Handicapped
Included are 40 abstracts with descriptive terms (designed primarily for the practitioner) devoted to program descriptions, guides and curriculum information on the mentally handicapped.

70-107 EC
Reading Methods and Problems (Handicapped Children) *Exceptional Children Bibliography Series*, November 1969. 13p. (Abstract Bibliography) ED 036 021 RIE June 1970 MF-$0.65; HC-$3.29
Bibliographies, Exceptional Child Education, Reading
41 abstracts with descriptive terms are presented which deal with various aspects of reading methods and problems including discussions of dyslexia, sensory impairment, teaching techniques, and physiological considerations.

70-109 EC
Services and Facilities for Exceptional Children--A Listing of Directories *Exceptional Children Bibliography Series*, September 1969. 7p. (Abstract Bibliography) ED 036 022 RIE June 1970 MF-$0.65; HC-$3.29
Bibliographies, Directories, Exceptional Child Services, Handicapped Children
Included are 18 abstracts with descriptive terms concerning directories of services and facilities for handicapped children.

70-113 EC
Vocational Education and Work Study Programs *Exceptional Children Bibliography Series*, September 1969. 18p. (Abstract Bibliography) ED 036 025 RIE June 1970 MF-$0.65; HC-$3.29
Bibliographies, Exceptional Child Education, Vocational Education, Work Study Programs
Contained in the bibliography are 55 abstracts and descriptive terms of documents concerned with all aspects of vocational education, work study programs, and rehabilitation techniques for use with virtually all handicapping conditions.

70-114 EC
Bloomer, Richard; And Others **An Experimental Reading-Typing Program** *Teaching Exceptional Children*, v1 n4, p.112-116, Summer 1969. (Review)
Exceptional Child Research, Disadvantaged Youth, Reading Instruction
A reading-typing program was used with a group of disadvantaged students and their progress was compared to a disadvantaged group and a middle class group taught by the traditional basal reading method. The experimental group was equal to or superior to the middle class group on all but one comparison.

70-115 EC
Brown, Jerome; Arkebauer, Herbert J. **Using the Language Master with Hearing Impaired Children** *Teaching Exceptional Children*, v2 n2, p.81-85, Winter 1970. (Review)
Exceptional Child Research, Aurally Handicapped, Instructional Materials, Language Master
To determine whether the Language Master could help develop the hearing impaired child's vocabulary and add flexibility to the teacher's schedule, 6 children (aged 5 to 7 years) were taught 16 words in the traditional way and 16 words with the Language Master. The results indicated no difference in vocabulary growth.

70-116 EC
Brown, Lou; And Others **Using Behavior Modification Principles to Teach Sight Vocabulary** *Teaching Exceptional Children*, v2 n3, pp.120-128, Spring 1970. (Review)
Exceptional Child Research, Mentally Handicapped, Behavior Change
Demonstration programs using students with IQ ranges from 36 to 49 and teaching a basic sight vocabulary by use of behavior modification techniques are described. A comparison is made between an individual program and a group process, with the group training being superior; teaching procedures are outlined; and evaluation techniques discussed.

70-117 EC
Brown, Virginia L. **Teacher-Pupil Analysis of the Learning Process: Learning How by Knowing Why** *Teaching Exceptional Children*, v1 n4, p.106-111, Summer 1969. (Review)
Exceptional Child Education, Teacher Role, Individualized Instruction
A method of involving the handicapped student in the process of analyzing and formulating his educational process is described. The stages discussed are precise teacher identification of educational objectives, student analysis of the lesson on activity objectives, discussion of the evaluation process, presentation of alternate learning processes, and instruction concerning self evaluation.

70-118 EC
Cartwright, Carol A.; Cartwright, G. Phillip **Determining the Motivational Systems of Individual Children** *Teaching Exceptional Children*, v2 n3, pp.143-149, Spring 1970. (Review)
Exceptional Child Research, Handicapped Children, Motivation
Discussed are the role of rewards in learning and a method for the determination of individual reward preferences. The steps of the inventory described are choosing appropriate rewards, preparing testing cards and scoring sheets, and the administration of the inventory. Ideas for using the inventory results in the classroom are presented.

70-119 EC
Cline, Kathy **A Symbol Cookbook Program** *Teaching Exceptional Children*, v1 n4, p.101-105, Summer 1969. (Review)
Exceptional Child Education, Mentally Handicapped, Cooking Instruction
The article describes a curriculum using a symbol cookbook for teaching cooking to trainable mentally handicapped girls who cannot read. Processes involved are food identification, reading symbols, using a stove, measuring, combining steps, and developing confidence. Related skills taught are shopping, manners, grooming, traveling, sewing, handling money, and self-motivation.

70-120 EC
Edlund, Calvin V. **Rewards at Home to Promote Desirable School Behavior** *Teaching Exceptional Children*, v1 n4, p.121-127, Summer 1969. (Review)
Exceptional Child Education, Parent Participation, Reinforcement
A program for using home reinforcement items at school is described. Items such as pets or gifts (baseball glove, guitar) were used in a reward system for desirable school behavior controlled by a parent checklist of behavior. Checklist items, advantages and problems involved, as well as program implementation and success are discussed.

70-121 EC
Gronenick, Judith K. **Assessing the Reintegration of Exceptional Children into Regular Classes** *Teaching Exceptional Children*, v2 n3, pp.113-119, Spring 1970. (Review)
Exceptional Child Research, Emotionally Disturbed, Regular Class Placement
The importance of returning emotionally disturbed children to a regular class is discussed and a procedure for assessing readiness for reintegration and the success of reintegration is described. The procedure can be utilized to record and evaluate any type of behavior demonstrated by any group of children.

70-122 EC
Hofmeister, Alan M. **Selecting and Modifying Programmed Materials** *Teaching Exceptional Children*, v2 n1, pp.38-42, Fall 1969. (Review)
Exceptional Child Education, Programed Materials, Evaluation
The criteria for selecting programmed materials, including program objectives, placement tests, vocabulary level, program length, program reusability, supporting material, methods used, and possibility of modification are discussed. Techniques for program modification described are expanding placement tests, individual recording of scores, over-learning through progressive testing, the use of verbalization, and modifying equipment.

70-123 EC
Jordan, June B., ed. **Exceptional Child Education Abstracts: Volume 1, Number 2** August 1959. 135p. (Abstract Journal) HC-available from the Council for Exceptional Children, Jefferson Plaza, Suite 900, 1411 South Jefferson Davis Highway, Arlington, Virginia
Exceptional Children, Exceptional Child Education
ECEA is a quarterly journal containing abstracts stored on the computer file of the CEC Information Center and is designed as a resource for administrators, researchers, teachers, teacher educators, psychologists, and other concerned with gifted and handicapped children. 400 abstracts and 100 references are included.

70-124 EC
Jordan, June B., ed. **Exceptional Child Education Abstracts: Volume 1, Number 3** November 1969. 141p. (Abstract Journal) HC-available from the Council for Exceptional Children, Jefferson Plaza, Suite 900, 1411 South Jefferson Davis Highway, Arlington, Virginia 22202 ($50.00 for institutional subscriptions, published 4 times a year)
Exceptional Children, Exceptional Child Education
ECEA is a quarterly journal containing abstracts stored on the computer file of the CEC Information Center and is designed as a resource for administrators, researchers, teachers, teacher educators, psychologists, and others concerned with gifted and handicapped children. 400 abstracts and 200 references are included.

70-125 EC
Jordan, June B., ed. **Exceptional Child Education Abstracts: Volume 1, Number 4-A** February 1970. 138p. (Abstract Journal) HC-available from the Council for Exceptional Children, Jefferson Plaza, Suite 900, 1411 South Jefferson Davis Highway, Arlington, Virginia 22202 ($50.00 for institutional subscriptions, published 4 times a year)
Exceptional Children, Exceptional Child Education
ECEA is a quarterly journal containing abstracts stored on the computer file of the CEC Information Center and is designed as a resource for administrators, researchers, teachers, teacher educators, psychologists, and others concerned with gifted and handicapped children. 400 abstracts and 200 references are included.

70-126 EC
Jordan, June B., ed. **Exceptional Child Education Abstracts: Volume 1, Number 4-B** February 1970. 129p. (Abstract Journal) HC-available from the Council for Exceptional Children, Jefferson Plaza, Suite 900, 1411 South Jefferson Davis Highway, Arlington, Virginia 22202 ($50.00 for institutional subscriptions, published 4 times a year)
Exceptional Children, Exceptional Child Education
ECEA is a quarterly journal containing abstracts stored on the computer file of the CEC Information Center and is designed as a resource for administrators, researchers, teachers, teacher educators, psychologists, and others concerned with gifted and handicapped children. 350 abstracts and 150 references are included.

70-127 EC
Jordan, June B., ed. **Exceptional Child Education Abstracts: Volume 2, Number 1** April 1970. 157p. (Abstract Journal) HC-available from the Council for Exceptional Children, Jefferson Plaza, Suite 900, 1411 South Jefferson Davis Highway, Arlington, Virginia 22202 ($50.00 for institutional subscriptions, published 4 times a year)
Exceptional Children, Exceptional Child Education
ECEA is designed to serve administrators, teachers, researchers, teacher educators, students, and others seeking information about gifted and handicapped children. Each issue contains cumulative author, subject and classification indexes. This issue includes 500 abstracts and 104 references.

70-128 EC
Junkala, John **Teacher Evaluation of Instructional Materials** *Teaching Exceptional Children*, v2 n2, p.73-76, Winter 1970. (Review)
Exceptional Child Education, Instructional Material Evaluation, Teacher Role
The classroom teacher is urged to make his own evaluation of instructional materials. Suggestions include determining the context for material usage, identifying the publisher's rationale, analyzing the information and organization of the materials, examining the procedural suggestions, and considering any additional factors affecting the material usage.

70-129 EC
Kokaska, Charles J.; And Others **Vocational Preparation at the Elementary Level** *Teaching Exceptional Children*, v2 n2, p.63-66, Winter 1970. (Review)
Exceptional Child Education, Vocational Education, Elementary Grades
The article suggests vocational objectives and classroom activities for laying a foundation of vocational education at the elementary grade level. Objectives deal with the dignity of work and the positive self concept of the child. Activities include determining student attitudes, developing curiosity, allotting classroom tasks, indicating job concepts, and recording student achievement.

70-130 EC
LaCoste, Mary B. **Eee Din Dit Ma Tun Weed: A Discussion of Teaching Reading to Young Exceptional Children** *Teaching Exceptional Children*, v2 n3, pp.138-142, Spring 1970. (Review)
Exceptional Child Education, Mentally Handicapped, Reading Instruction
Reading instruction techniques of questionable value for use with educable mentally handicapped students include: reading groups, readiness workbooks, the experience chart approach, high-interest low-vocabulary readers, and early introduction to phonics. Suggestions are provided for approaching reading instruction and the creation of a conducive atmosphere for language development.

70-131 EC
McCune, Judson W. **Including Driver Education in the Special Class Curriculum** *Teaching Exceptional Children*, v2, n3, pp.106-112, Spring 1970. (Review)
Exceptional Child Education, Mentally Handicapped, Driver Education
The need for driver education training in the educable mentally handicapped curriculum prefaces a description of such a program. Details included are the necessary knowledge and skills taught, the evaluation process, and various methods for remediating discovered weaknesses.

70-132 EC
McGee, Donald I. **The Benefits of Educating Deaf Children with Hearing Children** *Teaching Exceptional Children*, v2 n3, pp.133-137, Spring 1970. (Review)
Exceptional Child Education, Aurally Handicapped, Regular Class Placement
There is a need for regular class placement of hearing impaired children because it is the only available community placement, it enables realistic evaluation of permanent placement, and offers the best educational setting. Also discussed are the special problems of the deaf and some procedures for alleviating the deaf child's problems and needs.

70-133 EC
McIntyre, Robert B.; Engel, Rose C. **Some Neglected Criteria in the Selection of Materials for Mentally Retarded Pupils** *Teaching Exceptional Children*, v2 n1, pp.13-18, Fall 1969. (Review)
Exceptional Child Education, Mentally Handicapped, Instructional Materials
Suggestions for meeting the special needs and problems in selecting instructional materials for mentally handicapped students are: to keep the materials as concrete, as aesthetically pleasing, and as related to the everyday world as possible.

70-134 EC
Ryan, Susanne F. **Diagnosis and Remediation of Visual-Form Discrimination Skills** *Teaching Exceptional Children*, v2 n2, p.86-92, Winter 1970. (Review)
Exceptional Child Education, Diagnostic Tests, Visual Discrimination
Described is an informal, teacher-made measure of visual-form discrimination skills. Explanation is provided for the construction of the test including its 8 subtests, the administration of the test, and for remediation activities such as the discrimination of objects, pictures, letters, words, and environmental objects.

70-135 EC

Sandy, Don G.; Rotberg, Jay M. **Materials for Stimulating the Speech and Language of Handicapped Children** *Teaching Exceptional Children*, v2 n1, pp.33-37, Fall 1969. (Review)

Exceptional Child Education, Instructional Materials, Language Development

The need for eliciting proper speech and language responses such as imitating, naming, sequencing, classifying, and verbal problem solving is described. The following prossible materials for eliciting these responses are discussed: clothing, flannel, body parts, rubber balls, magazines, clay, sandpaper, paper, food, storing and empty containers.

70-136 EC

Sennet, Edith L. **A Negative Learning Force Becomes a Positive Teaching Tool** *Teaching Exceptional Children*, v2 n2, p.54-62, Winter 197[illegible] (Review)

Exceptional Child Education, Emotionally Disturbed, Visually Handicapped, Teaching Methods

This case history of an 8-year-old visually handicapped boy with negative learning attitudes includes a discussion of the problems of diagnosis and planning, the boy's background, the learning encounter, planning techniques, teaching techniques, the boy's educational growth, and the importance of the teacher-pupil relationship.

70-137 EC

Smith, Robert M. **Collecting Diagnostic Data in the Classroom** *Teaching Exceptional Children*, v1 n4, p.129-133, Summer 1969. 6p. (Review)

[illegible]nal Child Education, Diagnostic Teaching, Educational Diagnosis

The steps described are screening for obvious gross disorders, a determination of learning problems, a more thorough investigation of discovered problems, identification of possible causes, and a plan developed for remediation. Types of data used to determine disabilities are also considered.

70-138 EC

Spellman, Charles R.; And Others **Domestic Work Training of Adolescent Educable Mentally Retarded Girls** *Teaching Exceptional Children*, v2 n2, p.67-72, Winter 1970. 6p. (Review)

Exceptional Child Education, Mentally Handicapped, Vocational Education

The program described uses housewives as trainers in their own homes. Steps involved in organizing the program were: finding interested hoursewives, explaining the program, balancing the types of training, limiting time demands, and eventually operating the program. Problems and methods of evaluation are discussed.

70-139 EC

Vergason, Glenn A.; And Others **Playing Cards as Instructional Aids** *Teaching Exceptional Children*, v2 n2, p.93-94, Winter 1970. 2p. (Review)

Exceptional Children, Instructional Aids

Playing cards are used as aids for the development of physical abilities, coordination, memory, and perception skills. Cards can also be used to teach arithmetic concepts and in activities such as relay games, slapjack, concentration, and spoons.

70-140 EC

Werlin, Kathryn **Classroom Dynamics: Preschool Communication and Structure** *Teaching Exceptional Children*, v2 n1, pp.2-12, Fall 1969. (Review)

Exceptional Child Education, Disadvantaged Youth, Classroom Environment

Basic factors in dealing with classroom dynamics are: room arrangement, class routines, and the organization of staff responsibilities. Room arrangement involves structure, housekeeping, staff coordination, and activity areas; routines include demonstrations, scheduling, and communication of needs, whereabouts, and understanding; and staff responsibilities require a member to be free to handle the unexpected.

70-141 HE

Arnstein, George E. **University as Corporation: Toward a New Identity** *College & University Business*, v48 n3, pp.51-58, March 1970. 8p. (State-of-the-art Paper)

Community Relations, Community Responsibility, Business Responsibility, Coordination, Urban Renewal

Discusses the university's corporate organization in terms of its impact on and responsibility toward the urban community.

70-142 HE

Finger, Frank W. **Professional Problems: Preparation for a Career in College Teaching** April 1970. 9p. (Review) ED 038 557 RIE September 1970 MF-$0.65; HC-$3.29

College Teachers, Course Descriptions, Effective Teaching, Higher Education, Teacher Improvement

This review documents a seminar offered to graduate students planning to become college teachers. A lengthy bibliography of works on higher education, of special interest to the new teacher, is appended.

70-143 HE

Hirsh, Carol; Pulver, Margaret, comps. **Higher Education: A Bibliography of Documents Selected from January-June Research in Education, 1969** *General Bibliography, Number 2*, 1969. 106p. (Bibliography) ED 032 439 RIE February 1970 MF-$0.65; HC-$6.58

Bibliographies, Educational Research, Higher Education, Research Reviews (Publications)

This bibliography includes all documents on higher education, and not merely the input of the Clearinghouse on Higher Education. A descriptor index is included.

70-144 HE

Monlouis, Wilma D. **Higher Education Opportunities for High-Risk Disadvantaged Students: A Review of the Literature** February 1970. 4p. (Review Paper) ED 035 787 RIE June 1970 MF-$0.65; HC-$3.29

Compensatory Education, Disadvantaged Youth, Educationally Disadvantaged, Students, Higher Education

Compensatory or remedial programs at the university level for the academically disadvantaged student are presented. Pre-college, undergraduate and graduate programs are included.

70-145 HE

Richards, James M., Jr. **Assessing Student Preformance in College** May 1970. 14p. (State-of-the-art Paper) ED 040 307 RIE November 1970 MF-$0.65; HC-$3.29

Evaluation Methods, Higher Education, Measurement Techniques, Research, Tests, Criterion Reference Tests

This document presents a general and technical review of recent research on the evaluation of college student performance. Methods of obtaining academic credit by examination, criterion-referenced tests and measurements of extracurricular achievement are covered.

70-146 HE

Shoenfeld, Janet D.; Robinson, Lora H. **Student Participation in Academic Governance, Review 1** February 1970. 28p. (Review Paper) ED 035 786 RIE June 1970 MF-$0.65; HC-$3.29

Administration, Annotated Bibliographies, Governance, Higher Education, Student Participation

An annotated bibliography of the literature and compendium of recent changes in college and university governance is presented.

70-147 HE

Shulman, Carol **Governance** *Compendium Series of Current Research, Programs and Proposals, Number 1*, May 1970. 25p. (Compendium) ED 040 308 RIE November 1970 MF-$0.65; HC-$3.29

Governance, Higher Education, Institutional Research, Research, Research Reviews (Publications)

This document includes an analysis of trends in current research on governance followed by an annotated list of studies and programs in progress.

70-148 HE

Sumner, David E. **Urban Universities and the City, Review 2** April 1970. 10p. (Review Paper) ED 038 556 RIE September 1970 MF-$0.65; HC-$3.29

Annotated Bibliographies, Community Service Programs, Higher Education, Social Responsibility, Urban Universities

This document contains a brief review and annotated bibliography of literature describing some urban programs and services offered by colleges and universities.

70-149 JC

Boggs, John R. **A Developmental Research Plan for Junior College Remedial Education: Number 3: Concept Formation** August 1969. 18p. (Review Paper) ED 032 072 RIE January 1970 MF-$0.65; HC-$3.29

Concept Teaching, Institutional Research, Junior Colleges, Remedial Instruction, Statistical Analysis

This paper deals with junior college remedial students and examines the problem of their inability to form new concepts. It presents a description of concept learning that provides instructors with a framework and terms for teaching concepts and an evaluation procedure for determining their effectiveness.

70-150 JC

Boyer, Marcia **Teacher Evaluation: Toward Improving Instruction** *Junior College Research Review*, v4 n5, January 1970. 4p. (Review Paper) ED 035 408 RIE May 1970 MF-$0.65; HC-$3.29

Instructional Improvement, Junior Colleges, Teacher Evaluation

Problems associated with the evaluation of junior college instructors include: determining criteria for judging teaching effectiveness, selecting suitable evaluators, and administering effective evaluation methods. 3 approaches to instructor evaluation are considered in the documents reviewed: student evaluation by opinionnaire, instructor self-appraisal, and team evaluation involving both instructor and administrator.

70-151 JG

Brawer, Florence B. **The Person: A Conceptual Synthesis** March 1970. 63p. (Review Paper) ED 037 219 RIE July 1970 MF-$0.65; HC-$3.29

Counseling, Individual Psychology, Junior Colleges, Psychological Evaluation, Psychology

A preliminary report on an approach to individual assessment which presents a model depicting various intrapersonal and extrapersonal aspects of human personality. Counselors may use this model as a basis for presenting case histories and as a guideline in developing questionnaires.

70-152 JC

Capper, Michael R. **Junior College Students on Academic Probation** *Junior College Research Review*, v4 n4, December 1969. 4p. (Review Paper) ED 035 391 RIE May 1970 MF-$0.65; HC-$3.29

Academic Probation, Grading, Low Achievers, Junior Colleges, Probationary Period

For many junior college students academic probation may mean the closing of yet another door to educational opportunity. The reasons students are assigned probationary status, the restrictions thereby placed on them, their characteristics, their subsequent performance, and some attempts to help them succeed are topics discussed in this review.

70-153 JC

Cohen, Arthur M.; Brawer, Florence B. **Student Characteristics: Personality and Dropout Propensity** March 1970. 69pp. (Review) ED 038 130 RIE August 1970 MF-$0.65; HC-$3.29

Academic Failure, Dropout Characteristics, Junior Colleges, Personality Assessment, Student Characteristics

Following a review of selected research on students in higher education, studies conducted with 259 freshmen entering a junior college are presented. A personality study measured dropout/persistence potential, and a demographic study measured relative heterogeneity/homogeneity. The subjects, instruments, methods of investigation, results, and implications are discussed.

70-154 JC

Collins, Charles C. **Financing Higher Education: A Proposal** February 1970. 29p. (Review Paper) ED 037 206 RIE July 1970 MF-$0.65; HC-$3.29

Educational Finance, Federal Aid, Grants, Higher Education, Junior Colleges

A proposal for a revolving federal fund to cover operating costs for institutions of higher education which would provide loans to students to cover their college expenses is presented. Over a 10-year period these loans would be paid back by the graduates and their employers.

70-155 JC

Gaddy, Dale **Faculty Recruitment** *Junior College Research Review*, v4 n1, September 1969. 4p. (Review Paper) ED 032 864 RIE February 1970 MF-$0.65; HC-$3.29

College Teachers, Faculty Recruitment, Junior Colleges

The need for qualified faculty members is a problem of increasing importance for 2-year colleges. Reports related to specific areas of concern such as determination of future needs, recruitment principles and policies, sources of qualified teachers, and selection of personnel are reviewed.

70-156 JC

Gaddy, Dale; And Others **Student Activism in Junior Colleges** *Junior College Research Review*, v4 n9, May 1970. 16p. (Review Paper) ED 038 963 RIE September 1970 MF-$0.65; HC-$3.29

Activism, Junior Colleges, Student Behavior, Student College Relationship

Several aspects of student activism are examined in this review. Following 2 articles dealing with research done in this area, student activism is discussed from the perspectives of an attorney and a policeman. The concluding 2 articles focus on black protest and faculty reaction to black student demands.

70-157 JC

Hall, Budd L. **The Junior College in International Perspective** January 1970. 42p. (Review Paper) ED 035 417 RIE May 1970 MF-$0.65; HC-$3.29

Educational Needs, Foreign Countries, Junior Colleges, Manpower Needs

The community college idea is spreading rapidly in industrialized and developing nations. The incorporation of the junior college concept in the institutions of 8 nations is examined. Conditions that promote, as well as those that may deter, the establishment and development of junior college movements abroad are discussed.

70-158 JC

Hatfield, Thomas M.; Herrscher, Barton R. **Evening Services of Junior Colleges** *Junior College Research Review*, v4 n7, March 1970. 4p. (Review Paper) ED 037 216 RIE July 1970 MF-$0.65; HC-$3.29

Adult Education, Evening Classes, Evening Programs, Evening Students, Junior Colleges

Materials pertaining to junior college evening services (excluding community services) are reviewed with major focus on the problems of providing adequate student personnel and instructional services. Suggestions for alleviating these problems as well as areas of needed research are presented.

70-159 JC

Herrscher, Barton R.; Hatfield, Thomas M. **College-Community Relations** *Junior College Research Review*, v4 n3, November 1969. 4p. (Review Paper) ED 032 888 RIE February 1970 MF-$0.65; HC-$3.29

Advisory Committees, Community Relations, Junior Colleges, Public Relations

Increasing emphasis is being placed on the "community" aspect of community colleges. The documents included in this review cover a variety of topics bearing on college-community relations: programs designed to serve community needs, public relations, the college image, advisory committees, and community opinion.

70-160 JC

Hulburt, Allan S. **State Master Plans for Community Colleges** October 1969. 55p. (Review) ED 032 887 RIE February 1970 MF-$0.65; HC-$3.29

Junior Colleges, Master Plans, State Legislation

This monograph is based on the analysis of comprehensive master plans from 19 states and a review of relevant literature. A rationale for state plans and a description of the methods of developing, presenting, and implementing these plans are followed by suggested areas of needed research.

70-161 JC

Knoell, Dorothy M.; And Others **Researchers View Junior College Students** *Junior College Research Review*, v4 n2, October 1969. 16p. (Review Paper) ED 032 872 RIE February 1970 MF-$0.65; HC-$3.29

Junior Colleges, Student Characteristics

Topics discussed include: the heterogeneity of community college clienteles, problems of student assessment, value differences between 2-year and 4-year students, academic and emotional transfer shock, and need for a systematic evaluation of the junior college and its programs.

70-162 JC

Lindman, Erick L. **Paying for Junior Colleges** *Junior College Research Review*, v4 n8, April 1970. 4pp. (Review Paper) ED 038 124 RIE August 1970 MF-$0.65; HC-$3.29

Educational Finance, Financial Support, Junior Colleges, School Funds

With increasing junior college enrollments anticipated in the 1970's, recent literature relating to junior college finance emphasizes efficient use of existing resources as well as the search for new funds. Documents included in this review offer various methods of financing broad and comprehensive junior college programs.

70-163 JC

O'Connor, Edward F., Jr.; Justiz, Thomas B. **Identifying the Effective Instructor** January 1970. 34p. (Review Paper) ED 035 416 RIE May 1970 MF-$0.65; HC-$3.29

Effective Teaching, Junior Colleges, Teacher Evaluation, Testing

By holding the teacher's subject knowledge and his students' ability levels constant, teaching ability may be measured by testing the students for the skills specified by the instructor's educational objectives. The procedure for conducting such study is presented in detail.

70-164 JC

Quimby, Edgar A.; and others **Curriculum** *Junior College Research Review*, v4 n6, February 1970. 16p. (Review Paper) ED 035 415 RIE May 1970 MF-$0.65; HC-$3.29

African American Studies, Curriculum Development, Curriculum Planning, Instructional Staff, Junior Colleges

The 5 curriculum-related topics reviewed are: the need for rational curriculum planning, the effect of composite instructional procedures, a consideration of black studies programs, a staffing rationale for curriculum development, and intercampus curriculum coordination in an urban community college system.

70-165 JC

Sykes, Abel B., Jr. **Junior College Boards of Trustees** *Junior College Research Review*, v4 n10, June 1970. 4p. (Review Paper) ED 038 978 RIE September 1970 MF-$0.65; HC-$3.29

Administrator Role, Board Administrator Relationship, Board of Education Role, Governance, Junior Colleges

The clear definition of roles and relationships between boards of trustees and chief administrative officers serves to facilitate the effective administration of junior colleges. Documents in this review present various ways that these roles and relationships have been delineated.

70-166 LI

Library Surveys and Development Plans, an Annotated Bibliography *Bibliography Series, Number 3*, September 1969. 43p. (Annotated Bibliography) ED 031 609 RIE January 1970 MF-$0.65; HC-$3.29

Bibliographies, Library Planning, Library Services, Library Surveys

References to 104 library surveys and development plans at the state or national level published since 1965 are based on the ERIC/CLIS collection. Arrangement is by state, with national surveys listed first. Availability information is given whenever possible.

70-167 LI

Blasingame, Ralph; Summers, F. William **State and Regional Library Studies** *Review Series, Number 3*, June 1970. 13p. (State-of-the-art Paper) ED 039 389 RIE October 1970 MF-$0.65; HC-$3.29

Library Planning, Library Surveys Questionnaires, Regional Libraries, State Libraries

A sample of 15 of the 89 state and regional library studies conducted during the period 1965-1969 was examined to identify current methodology and procedures. Although limited methodology and casual data-gathering characterize most of the studies, the increasing investment in planning revealed by the studies is an encouraging development.

70-168 LI

Boelke, Joanne, comp. **Library Service to the Visually and Physically Handicapped, A Bibliography** *Bibliography Series, Number 4*, October 1969. 18p. (Annotated Bibliography) ED 031 615 RIE January 1970 MF-$0.65; HC-$3.29

Bibliographies, Library Programs, Library Services, Physically Handicapped, Visually Handicapped

Library services available to the blind, partially sighted, and physically handicapped who are unable to use conventional printed materials are noted. Coverage is limited to activities in the U.S., with 119 citations referring to journal articles, reports, books, bibliographies, theses, and pamphlets published from 1964 to Summer, 1969.

70-169 LI

Bourne, Charles P.; and others **Abstracting and Indexing Rates and Costs: A Literature Review** *Review Series, Number 5*, May 1970. 68p. (State-of-the-art Paper) ED 043 798 RIE March 1971 MF-$0.65; HC-$3.29

Abstracting, Indexing, Costs, Literature Reviews, Information Services

Post-1950 English-language published reports of abstracting and indexing rates and costs disclosed relevant information for 24 abstract journals, 3 citation services, 18 abstracting cost figures and 41 indexing cost figures. Unit costs were cited or computed and plotted to detect possible patterns or trends.

70-170 LI

Bregzis, Ritvars **Machine Readable Bibliographic Records: Criteria and Creation** *Series, Number 4*, May 1970. 28p. (State-of-the-art Paper) ED 039 388 RIE October 1970 MF-$0.65; HC-$3.29

Automation, Bibliographic Citations, Libraries, Library Services, Objectives

Library automation activity of recent years relating to machine readable bibliographic records is discussed under the following headings: Centrality of the Bibliographic Record, The Objective of the Bibliographic Record File, The Elemental Factors, Functional Criteria of the Machine Readable Record File, Current Practice of Bibliographic Record Generation, Operational Methodology and Cost.

70-171 LI

Knapp, Patricia B. **The Academic Library Response to New Directions in Undergraduate Education** *Review Series, Number 2*, April 1970. 23p. (Review Paper) ED 039 390 RIE October 1970 MF-$0.65; HC-$3.29

College Libraries, Higher Education, Instructional Materials Centers, Library Programs, Undergraduate Study

Following a discussion of the major trends in higher education which provide the context for changes in undergraduate education, the response of academic libraries is considered, with particular attention given to undergraduate libraries, community college libraries, learning resources centers, the independent study movement, the

library-college movement and library programs in experimental colleges.

70-172 LI
Mason, Charlene, comp. **Bibliography of Library Automation** *ERIC/CLIS Bibliography Series, Number 2*, v63 n8, p1117-1134, September 1969. (Bibliography)
Automation, Libraries, Library Technical Processes, Library Networks
This updating of the bibliography by Lois C. McCune and Stephen R. Salmon in the ALA Bulletin of June 1967 is limited primarily to 1967 and 1968 publications. It covers journal literature, trade publications, and other documents on the automation of traditional library functions, with a few references on library networks and facsimile transmission.

70-173 AL
Bauman, Frederick W., Jr., comp. **1968 Index to Eric Documents in Linguistics and Uncommonly Taught Languages and Selected Bibliography of Related Titles** July 1969. 114p. (Bibliography) ED 029 303 RIE October 1969 MF-$0.65; HC-$6.58
Bibliographies, Language Research, Linguistics, Uncommonly Taught Languages
The 1045 titles of books, articles, bibliographies, and unpublished papers are divided into the following sections: bibliographies, collections, general linguistics, psycholinguistics, language learning and teaching sociolinguistics, and uncommonly taught languages. Entries on English for speakers of other languages and English as a standard dialect are also given. An author index is appended.

70-174 AL
Cardenas, Daniel N. **Dominant Spanish Dialects Spoken in the United States** June 1970. 49p. (Review) ED 042 137 RIE January 1971 MF-$0.65; HC-$3.29
Contrastive Linguistics, Dialect Studies, Nonstandard Dialects, Spanish
Following the ethnic distribution of Spanish-speaking people in the United States is a description of standard Spanish and the 4 major varieties of Spanish found in the United States: Mexican, Puerto Rican, Cuban and Peninsular. Appended is a bibliography. (duplicate to 71-029 AL).

70-175 AL
Hanna, Sami A.; Greis, Naguib **Dialect Variations and the Teaching of Arabic as a Living Language** *Bulletin of the ERIC Clearinghouse for Linguistics*, n14, pp.3-7, January-March 1970. 12p. (Review) ED 034 179 RIE April 1970 MF-$0.65; HC-$3.29
Arabic, Dialects, Language Instruction, Standard Spoken Usage [Cultivated Cairene Arabic]
The dialect form learned by students of Arabic should be an educated form of speech of "significant applicability," therefore, Cultivated Cairene Arabic is an especially useful dialect with which to start learning Arabic. A teaching method moving from Cultivate Spoken to the Literary is suggested.

70-176 AL
Heffernan-Cabrera, Patricia **A Handbook for Teachers of English to Non-English Speaking Adults** October 1969. 69p. (Handbook) ED 033 335 RIE March 1970 MF-$0.65; HC-$3.29
Adult Education, English (Second Language), Language Instruction, Teaching Guides, Teaching Methods
The discussion of second language learning includes variation in teachers and students of English as a second language; TESOL methodology and materials; and evaluation of students, materials, and teachers. The author presents detailed suggestions for the classroom teacher. A selected bibliography of TESOL materials is appended. (duplicate to 70-018 AC).

70-177 AL
Imhoof, Maurice **TESOL Degree Programs for Experienced English Teachers from Abroad** May 1970. 13p. (Review) ED 038 644 RIE September 1970 MF-$0.65; HC-$3.29
English (Second Language), Teacher Education, Teacher Programs
This document identifies problem areas concerning experienced foreign teachers of English who come to the United States to improve their English teaching abilities, and discusses problems presented by the teacher-training programs themselves.

70-178 AL
Moore, Mary Jo, comp. **A Preliminary Bibliography of American English Dialects** November 1969. 61p. (Bibliography) ED 033 327 RIE March 1970 MF-$0.65; HC-$3.29
Bibliographies, Negro Dialects, Regional Dialects, Social Dialects, TENL
The 804 entries are divided into 4 categories: regional dialects, social dialects, negro English of the continental United States and of the Caribbean, and applications to teaching and learning.

70-179 AL
Ortego, Philip D. **The Linguistic Imperative in Teaching English to Speakers of Other Languages** May 1970. 45p. (Review Paper) ED 038 626 RIE September 1970 MF-$0.65; HC-$3.29
English (Second Language), Teacher Education, Teaching Methods
This document covers: (1) linguistic perspectives, (2) methods of Teaching English to Speakers of Other Languages (TESOL), (3) preliminary considerations, (4) philosophic and pragmatic considerations, (5) cross-cultural correlations of linguistic behavior, (6) the TESOL teacher and (7) a linguistic model. A bibliography is appended. (duplicate to 71-036 AL).

70-180 AL
Saville, Muriel R.; Troike, Rudolph C. **A Handbook of Bilingual Education** January 1970. 69p. (Handbook) ED 035 877 RIE June 1970 MF-$0.65; HC-$3.29
Bilingual Education, Bilingualism, English (Second Language), Program Design, Testing
This handbook presents an historical view of bilingualism which considers the linguistic, psychological, and cultural factors involved in bilingual education; outlines suggestions for setting up bilingual programs; briefly contrasts Spanish and Navaho phonology and grammar with English; discusses pedagogical considerations; and stresses the importance of evaluation.

70-181 AL
Stokoe, William C., Jr. **The Study of Sign Language** April 1970. 41p. (State-of-the-Art Paper) ED 037 719 RIE August 1970 MF-$0.65; HC-$3.29
Classroom Research, Deaf, Deaf Education, Manual Communication, Sign Language
The author examines the ways language may be presented to the eye, points out the contrasts and parallels between speech and sign language, considers the relation of sign language to the education of the deaf, and looks at steps that concerned teachers can take to apply research of their own.

70-182 AL
Wardhaugh, Ronald **Teaching English to Speakers of Other Languages: The State of the Art** January 1969. 26p. (State-of-the-art Paper) ED 030 119 RIE November 1969 MF-$0.65; HC-$3.29
English (Second Language), Language Instruction, Reference Materials, Teaching Education, Teaching Methods
This paper contains sections on the background of Teaching English to Speakers of Other Languages; linguistics and language teaching; psychology and language teaching; language teaching pedagogy; linguistics, psychology, and pedagogy; teacher training; and teaching English as a second dialect. Each section has references to material of particular interest to the classroom teacher.

70-183 AL
Zisa, Charles A. **American Indian Languages: Classifications and List** April 1970. 60p. (Language Listing) ED 038 627 RIE September 1970 MF-$0.65; HC-$3.29
American Indian Languages, Language Classification, Reference Materials
A list of the indigenous languages of North and South America, with the exception of the Eskimo-Aleut languages, the European-based Creoles, and languages which represent Post-Columbian intrusions, is presented. Section I consists of genetic classification of the languages included (94#). Section II is an alphabetic list of all languages included with variant spellings and alternate names.

70-184 RE
Trends and Practices in Secondary School Reading: A Companion Bibliography to A. Sterl Artley's Monograph *ERIC/CRIER Reading Review Series, Bibliography 25*, March 1970. 224p. (Annotated Bibliography) ED 036 669 RIE July 1970 MF-$0.65; HC-$9.87
Annotated Bibliographies, Reading Instruction, Reading Research, Research Reviews (Publications), Secondary Education
The monograph, which included material published between 1950 and 1966, has been updated to include materials published through 1969. Part I cites and abstracts all the studies (from 1950-1966) reported in the Artley monograph, in subsections under seven major divisions. Part II updates, with annotations, the sources of the original monograph through 1969.

70-185 RE
Burridge, Wayne E.; Harris, Larry A. **Guide to Materials for Reading Instruction, Supplement 1** September 1969. 180p. (Bibliography) ED 032 452 RIE February 1970 MF-$0.65; HC-$6.58
Audiovisual Aids, Instructional Materials, Reading Instruction, Reading Materials, Supplementary Reading Materials
This bibliography updates and corrects ED 019 528 RIE November 1968, listing materials by publisher and type.

70-186 RE
Dunn, Mary Kathryn; Harris, Larry A., comps. **Research on Elementary Reading: Oral Reading** *ERIC/CRIER Reading Review Series, Bibliography 23*, November 1969. 79p. (Annotated Bibliography) ED 033 265 RIE March 1970 MF-$0.65; HC-$3.29
Annotated Bibliographies, Elementary Grades, Oral Reading, Reading Research
Part I contains abstracts of documents published from 1950-1967; Part II contains annotations of documents published prior to 1950.

70-187 RE
Dunn, Mary Kathryn; Laffey, James L., comps. **Research on Reading: Word Lists** *ERIC/CRIER Reading Review Series, Volume 2, Bibliography 18*, September 1969. 56p. (Annotated Bibliography) ED 030 778 RIE December 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, Reading Materials, Vocabulary, Word Frequency, Word lists
This bibliography provides a compilation of studies related to or concerned with the development, utility and evaluation of various types of word lists.

70-188 RE
Farr, Roger **Reading: What Can be Measured** 1969. 105p. (State-of-the-art Paper) ED 033 258 RIE March 1970 MF-$0.65; HC-available from International Reading Association, 6 Tyre Avenue, Newark, Delaware 19711
Reading Diagnosis, Reading Processes, Reading Research, Research Reviews (Publications), Reading Tests
This state-of-the-art paper organizes and describes the research literature on measurement and evaluation in reading. Indexes to reading tests and published research literature in reading are included.

70-189 RE
Laffey, James L. **USOE Sponsored Research on Reading, Supplement 1** *ERIC/CRIER Reading Review Series, Bibliography 20*, September 1969. 59p. (Annotated Bibliography) ED 031 606 RIE January 1970 MF-$0.65; HC-$3.29
Federal Programs, Reading, Reading Research
This bibliography supplements ED 016 603 RIE July 1968, and contains citations of reports issued by USOE-sponsored projects, appearing in Research in Education from 1966 to July 1969.

70-190 RE
Laffey, James L., Wendt, John **Current USOE Projects on Reading** *ERIC/CRIER Reading Review Series, Bibliography 21*, September 1969. 16p. (Annotated Bibliography) ED 031 607 RIE January 1970 MF-$0.65; HC-$3.29
Bibliographies, Educational Programs, Federal Programs, Reading, Reading Programs
This bibliography lists reading-related projects sponsored by USOE. Information was taken from the May 1969 issue of Current Projects Information.

70-191 RE

Laffey, James L.; And Others **Research on Reading from Research in Education** *ERIC/CRIER Reading Review Series, Bibliography 22,* November 1969. 400p. (Annotated Bibliography) ED 032 453 RIE February 1970 MF-$0.65; HC-$13.16

Bibliographies, Educational Research, Reading, Reading Research, Research Projects

Contained in this bibliography are resumes of 617 documents processed by ERIC/CRIER and appearing in RIE from July 1967 to December 1968.

70-192 RE

Longstreet, Wilma; Summers, Edward G., comps. **Recent Doctoral Dissertation Research in Reading, Supplement 2** *ERIC/CRIER Reading Review Series, Bibliography 24,* March 1970. 103p. (Annotated Bibliography) ED 035 793 RIE June 1970 MF-$0.65; HC-$6.58

Annotated Bibliographies, Bibliographies, Doctoral Theses, Reading Research

Abstracts of 192 dissertations from volume 29 of Dissertation Abstracts (July 1968 through June 1969) are listed.

70-193 RE

Summers, Edward G. **Doctoral Dissertations in College and Adult Reading Instruction** *Journal of Reading,* v14 n1, p9-14, 53-55, October 1970. 9p. (Annotated Bibliography)

Reading, College Instruction, Adult Education, Doctoral Theses, Annotated Bibliographies

This document gives citations and abstracts for 29 dissertations.

70-194 RE

Summers, Edward G. **Doctoral Dissertations in Secondary Reading** *Journal of Reading,* v13 n8, p597-602, May 1970. 6p. (Annotated Bibliography)

Doctoral Theses, Annotated Bibliographies, Reading Instruction, Secondary Education

This document lists doctoral dissertations reported in Dissertation Abstracts, Volume 29 (1968). Brief abstracts are included.

70-195 RE

Summers, Edward G.; And Others **Indexes to ERIC/CRIER Basic References** *ERIC/CRIER Reading Review Series,* September 1969. 437p. (Coordinate Index) ED 030 004 RIE November 1969 MF-$0.65; HC-$16.45

Indexes (Locaters), Reading Research

The index lists, for each of the 45 categories in the ERIC/CRIER classification system, the numbers of those documents in the ERIC/CRIER collection which fall into that category.

70-196 RE

Summers, Edward G. **Twenty Year Annotated Index to The Reading Teacher** 1969. 149p. (Annotated Bibliography) ED 031 608 RIE January 1970 MF-$0.65; HC-available from International Reading Association, 6 Tyre Avenue, Newark, Delaware 19711

Indexes (Locaters), Reading, Reading Instruction, Scholarly Journals

This bibliography organizes 816 articles into 18 categories.

70-197 RE

Smith, Carl B.; Roser, Nancy, comps. **Research on Elementary Reading: Critical and Interpretive Reading** *ERIC/CRIER Reading Review Series, Volume 2, Bibliography 19,* August 1969. 60p. (Annotated Bibliography) ED 030 779 RIE December 1969 MF-$0.65; HC-$3.29

Annotated Bibliographies, Critical Reading, Interpretive Reading, Reading Research

Part I lists reports published since 1950, in 3 subsections: highly relevant reports, those making relevant statements about the topic but whose major focus is elsewhere, and those which mention the topic in a passing manner. Part II lists related reports published before 1950.

70-198 RE

Trull, Ronald L., comp. **Research on Elementary Reading: Comprehension** *ERIC/CRIER Reading Review Series, Bibliography, Number 27,* April 1970. 142p. (Annotated Bibliography) ED 038 553 RIE September 1970 MF-$0.65; HC-$6.58

Annotated Bibliographies, Elementary Grades, Reading Comprehension, Reading Instruction, Reading Research

This document focuses on the identification and examination of the variables which influence comprehension, under 5 general areas: (1) the reader, (2) the teacher, methods, materials, and programs, (3) language, (4) measurement, and (5) research summaries.

70-199 RC

DeBlassie, Richard R.; Healy, Gary W. **Self Concept: A Comparison of Spanish-American, Negro, and Anglo Adolescents across Ethnic, Sex and Socioeconomic Variables** March 1970. 22p. (Review) ED 037 287 RIE July 1970 MF-$0.65; HC-$3.29

Anglo Americans, Junior High School Students, Negroes, Self Concept, Spanish Americans, Ethnic Groups

The contributing factors (e.g., ethnic membership, socioeconomic position, or sex) which are instrumental in development of an individual's self concept are discussed. Conclusions, implications for school personnel, and recommendations for future research are included.

70-200 RC

Donaldson, George W.; Goering, Oswald H. **Outdoor Education: A Synthesis** March 1970. 16p. (Review Paper) ED 037 286 RIE July 1970 MF-$0.65; HC-$3.29

Administration, History, Outdoor Education, Synthesis, Teacher Education

The "new knowledge" in outdoor education is discussed in terms of principles, history, educational experiences, administrative concerns, and teacher education. A bibliography contains 35 entries, most of which are dissertations written during the 1960's.

70-201 RC

Donohew, Lewis; Parker, Joanne M. **Impacts of Educational Change Efforts in Appalachia** March 1970. 21pp. (Review Paper) ED 038 194 RIE August 1970 MF-$0.65; HC-$3.29

Change Agents, Educational Development, Intervention, Rural Areas, Social Systems [Appalachia]

Information has been gathered on the effects of recent developments and improvements in educational programs in Appalachia. Change agents, inputs for change, and efforts at changing lifestyles of individuals and of the institutional structure of the area are discussed. A 38-item bibliography is included.

70-202 RC

Edington, Everett D.; Hocker, Phillip, eds. **Development of Vocational Education Programs for American Indians, Conference Proceedings (University of New Mexico, Albuquerque, August 18-22, 1969)** October 1969. 55pp. (Conference Proceedings) ED 031 614 RIE January 1970 MF-$0.65; HC-$3.29

American Indians, Conference Reports, Cooperative Planning, Employment Programs, Vocational Education

Results of a 5-day institute to encourage development of more vocational education programs for American Indians are reported as: a summary of each workshop presentation, a summary of each committee report, and recommendations derived from the institute.

70-203 RC

Fulton, Eulyne; Loomis, Charlotte Ann, comps. **Outdoor Education: A Selected Bibliography** March 1970. 78p. (Annotated Bibliography) ED 037 285 RIE July 1970 MF-$0.65; HC-$3.29

Annotated Bibliographies, Conservation Education, Instructional Materials, Outdoor Education, Recreation

Establishing a series of bibliographies on outdoor education which will be updated periodically, this document contains 134 annotated citations selected from the total ERIC collection through December of 1969. A subject index using descriptors from the ERIC Thesaurus is also provided.

70-204 RC

Griessman, B. Eugene; Densley, Kenneth G. **Review and Synthesis of Research on Vocational Education in Rural Areas** December 1969. 49p. (Review Paper) ED 034 632 RIE April 1970 MF-$0.65; HC-$3.29

Economic Factors, Educational Problems, Research Reviews (Publications), Rural Areas, Vocational Education

Vocational needs of rural America are discussed in this 2-part research review. Part 1 presents the sociological point of view, while Part 2 is written from an educator's viewpoint. A bibliography accompanies each part. (duplicate to 70-356 VT).

70-205 RC

Heathman, James E.; Martinez, Cecilia J., comps. **Mexican American Education, A Selected Bibliography** July 1969. 58p. (Bibliography) ED 031 352 RIE December 1969 MF-$0.65; HC-$3.29

Bibliographies, Bilingualism, Education, Mexican Americans, Resource Materials

Selected documents related to Mexican American education are cited in 156 entries chosen from the ERIC collection through July of 1969. In addition, a subject index of terms taken from the ERIC Thesaurus is provided.

70-206 RC

Kniefel, David R.; Kniefel, Tanya S. **Annotated Bibliography and Descriptive Summary of Dissertations and Theses on Rurality and Small Schools** May 1970. 51p. (Annotated Bibliography) ED 039 962 RIE October 1970 MF-$0.65; HC-$3.29

Annotated Bibliographies, Doctoral Theses, Masters Theses, Rural Population, Small Schools

76 annotated citations on rurality and small schools were selected from Dissertation Abstracts for inclusion in this bibliography. An introductory synthesis and a subject index of ERIC descriptors also are included.

70-207 RC

Loomis, Charlotte Ann **Index to the Journal of American Indian Education, Volume 1, Number 1 - Volume 8, Number 1** October 1969. 44p. (Annotated Index) ED 032 968 RIE February 1970 MF-$0.65; HC-$3.29

American Indians, Educational Resources, Indexes (Locaters), Periodicals, Subject Index Terms

Annotated coverage is provided of the 112 articles appearing in the Journal of American Indian Education from its inception in June of 1961 through October of 1968. (Later issues of the journal are indexed in Current Index to Journals in Education.) Author and subject indices are included.

70-208 RC

Martinez, Cecilia J.; Heathman, James E., comps. **American Indian Education, A Selected Bibliography** August 1969. 98p. (Annotated Bibliography) ED 030 780 RIE December 1969 MF-$0.65; HC-$3.29

American Indians, Annotated Bibliographies, Educational Resources, Research Reviews (Publications)

Contains 148 citations of selected documents relevant to American Indian education which appear in the ERIC collection through August of 1969. A subject index of descriptor terms from the ERIC Thesaurus is included.

70-209 RC

Schnur, James O. **A Synthesis of Current Research in Migrant Education** May 1970. 44p. (Review Paper) ED 039 049 RIE September 1970 MF-$0.65; HC-$3.29

Academic Achievement, Curriculum, Migrant, Program Descriptions, Socioeconomic Status

A current broad view of migrant education is provided to inform educators of practices and procedures now being employed. An overview of the migrant scene in general, a discussion of existent educational programs, and projections are included.

70-210 RC

Smith, Julian W. **Outdoor Education: An Overview** December 1969. 8p. (Review Paper) ED 034 631 RIE April 1970 MF-$0.65; HC-$3.29

Curriculum Enrichment, Educational Benefits, Outdoor Education, Program Descriptions, Recreation

To acquaint educators with the concept and scope of outdoor education, the developments in the field, educational benefits, and ERIC's role are discussed.

70-211 RC

Wurster, Stanley R.; Heathman, James E., comps. **Rural Education and Small Schools, A Selected Bibliography** November 1969. 181p. (Annotated Bibliography) ED 033 257 RIE March 1970 MF-$0.65; HC-$6.58

Abstracts, Bibliographies, Citation Indexes, Rural Education, Small Schools

The bibliography contains abstracts of documents which have appeared in the total ERIC collection through September of 1969. Over 300 publications are cited, most of which were published after 1965. Descriptor terms from the ERIC Thesaurus are used to provide a subject index.

70-212 SE

National Association for Research in Science Teaching, 43d Annual Meeting, Minneapolis, 1970. Abstracts of Presented Papers *Science and Mathematics Education Information Report,* March 1970. 235pp. (Conference Report) ED 035 776 RIE June 1970 MF-$0.65; HC-$9.87

Conference Reports Elementary School Science, Research Projects, Science Education, Secondary School Science

Included are abstracts of nearly all research reports presented at the National Conference of the National Association for Research in Science Teaching. Abstracts are grouped as presented at the conference and include such topics as instruction, concept formation, teacher education, and evaluation.

70-213 SE

National Council of Teachers of Mathematics, 48th Annual Meeting, Washington, 1970. Research Reporting Sections *Science and Mathematics Education Information Report,* April 1970. 69pp. (Research Reporting Sections) ED 036 670 RIE July 1970 MF-$0.65; HC-$3.29

Abstracts, Conference Reports, Mathematics Education, Research

Abstracts of research reports presented at the Research Reporting Sections of the Annual Meeting are included. Topics such as concept formation, instruction, learning, teacher behaviors and evaluation are discussed.

70-214 SE

Instructional Proceedures *Science Education Information Report, General Bibliography Series, Number 21,* July 1969. 60p. (Bibliography) ED 030 772 RIE December 1969 MF-$0.65; HC-$3.29

Bibliographies, Mathematics Education, Science Education, Secondary School Science

Citations to 212 documents concerning instructional procedures in science and mathematics education are listed. Documents include research reports, journal articles, and textbooks. This bibliography supplements, but does not replace bibliographies 1 and 11 released by this center.

70-215 SE

Teacher Education *Science Education Information Report, General Bibliography Series, Number 22,* July 1969. 36p. (Bibliography) ED 032 441 RIE February 1970 MF-$0.65; HC-$3.29

Bibliographies, Educational Programs, Mathematics Education, Science Education, Teacher Education

Presented are citations to 113 documents related to education of science and mathematics teachers. These documents include research reports, journal articles, textbooks, and other materials. This bibliography supplements, but does not replace, bibliographies 2 and 12 previously released by this center.

70-216 SE

Instructional Equipment and Materials *Science Education Information Report, General Bibliography Series, Number 23,* July 1969. 88p. (Bibliography) ED 032 442 RIE February 1970 MF-$0.65; HC-$3.29

Bibliographies, Mathematics Education, Science Education, Science Equipment, Science Materials

366 documents related to equipment and materials for teaching science and mathematics are cited. Documents include research reports, journal articles, textbooks, and other materials. This bibliography supplements, but does not replace, bibliographies 3 and 13 previously released by this center.

70-217 SE

Curriculum *Science Education Information Report, General Bibliography Series, Number 24,* July 1969. 125p. (Bibliography) ED 032 443 RIE February 1970 MF-$0.65; HC-$6.58

Bibliographies, Curriculum, Curriculum Development, Mathematics Education, Science Education

This bibliography cites 460 documents related to curriculum for science and mathematics eudcation. Documents include research reports, journal articles, textbooks, and other materials. This bibliography supplements, but does not replace, bibliographies 4 and 14 previously released by this center.

70-218 SE

Achievement *Science Education Information Report, General Bibliography Series, Number 25,* July 1969. 26p. (Bibliography) ED 032 444 RIE February 1970 MF-$0.65; HC-$3.29

Academic Achievement, Achievement, Bibliographies, Mathematics Education, Science Education

Citations to 64 documents related to achievement in science and mathematics are given. Documents include research reports, journal articles, and other materials. This bibliography supplements, but does not replace, bibliographies 5 and 15 previously released by this center.

70-219 SE

Teacher Resource Materials *Science Education Information Report, General Bibliography Series, Number 26,* July 1969. 77p. (Bibliography) ED 033 260 RIE March 1970 MF-$0.65; HC-$3.29

Bibliographies, Instruction, Instructional Materials, Resource Materials, Science Education

The 309 documents cited relate to resource materials for teaching and learning science and mathematics. Documents include research reports, journal articles, textbooks, and other materials. This bibliography supplements, but does not replace, bibliographies 6 and 16 previously released by this center.

70-220 SE

Science and Society, History of Science Education, Science History, General Studies and Surveys *Science Education Information Report, General Bibliography Series, Number 27,* July 1969. 27pp. (Bibliography) ED 032 445 RIE February 1970 MF-$0.65; HC-$3.29

Bibliographies, Science Education, Science Education History, Science History, Socioeconomic Influences

Contained in this bibliography are citations to 87 documents concerning science and mathematics history; history of mathematics education and science education; interaction of science, mathematics and society; and general studies and surveys. Documents include research reports, journal articles, textbooks, and other materials. This bibliography supplements, but does not replace, bibliographies 7 and 17 previously released by this center.

70-221 SE

Legislative Acts and Reports, Administration and Supervision, Science Facilities *Science Education Information Report, General Bibliography Series, Number 28,* July 1969. 17pp. (Bibliography) ED 032 446 RIE February 1970 MF-$0.65; HC-$3.29

Administration, Bibliographies, Legislation, Science Facilities, Supervision

Citations to 39 documents concerned with legislative acts and reports, administration and supervision, and mathematics and science facilities are listed. Documents include research reports, journal articles, textbooks, and other materials. This bibliography supplements, but does not replace, bibliographies 8 and 18 previously released by this center.

70-222 SE

Evaluation and Educational Objectives, Learning Theories and Processes, Research Methodology *Science Education Information Report, General Bibliography Series, Number 29,* July 1969. 68pp. (Bibliography) ED 030 781 RIE December 1969 MF-$0.65; HC-$3.29

Evaluation, Learning, Mathematics Education, Research, Science Education

The 254 documents cited are concerned with evaluation and educational objectives related to science and mathematics education, learning theories and processes related to science and mathematics education, and research methodology. Documents include research reports, journal articles, and other materials. This bibliography supplements, but does not replace, bibliographies 9 and 19 previously released by this center.

70-223 SE

Teacher Characteristics, Student Characteristics *Science Education Information Report, General Bibliography Series, Number 30,* July 1969. 21pp. (Bibliography) ED 030 782 RIE December 1969 MF-$0.65 HC-$3.29

Bibliographies, Mathematics Education, Science Education, Student Characteristics, Teacher Characteristics

The 49 documents cited concern teacher characteristics and student characteristics related to the teaching and learning of science and mathematics. Documents include research reports, journal articles, and other materials. This bibliography supplements, but does not replace, bibliographies 10 and 20 released earlier by this center.

70-224 SE

Blosser, Patricia E. **Inservice Education for Teachers of Secondary School Science** *Science Education Information Report, Occasional Paper Series, Science Paper 1,* September 1969. 53pp. (Review Paper) ED 034 912 RIE May 1970 MF-$0.65 HC-$3.29

Inservice Teacher Education, Research Reviews (Publications), Science Teachers

This paper reviews research reports and descriptive materials regarding inservice education for teachers of science at the secondary school level, summarizes practices, and presents suggestions for change. Investigations that are needed to improve inservice education are suggested.

70-225 SE

Blosser, Patricia E. **Inservice Education for Teachers of Elementary School Science** *Science Education Information Report, Occasional Paper Series, Science Paper Number 2,* December 1969. 58pp. (Review Paper) ED 036 680 RIE July 1970 MF-$0.65 HC-$3.29

Elementary School Science, Elementary School Teachers, Inservice Teacher Education, Teacher Education

Research reports and descriptive materials regarding inservice education of teachers of science at the elementary school level are reviewed. The paper also summarized practices and presents suggestions for change. Investigations that are needed to improve inservice education are suggested.

70-226 SE

Champlin, Robert F. **A Review of the Research Related to ESCP** *Journal of Geological Education,* v8 n1 p.31-39, January 1970. 9p. (Review Paper) ED 040 046 RIE October 1970 MF-$0.65; HC-National Association of Geology Teachers, 2201 M St. N.W., Washington, D.C. 20037

Earth Science, Research Needs, Research Reviews (Publications), Secondary School Science

This paper offers suggestions for future evaluation and research, as well as reviews of research reports related to teaching and learning of the Earth Science Curriculum Project (ESCP) materials.

70-227 SE
Cunningham, John D.; Butts, David P. **A Summary of Research in Science Education for the Years 1963-64, Elementary School Level** *Research Review Series, Science Paper Number 5,* January 1970. 20p. (Review Paper) ED 040 304 RIE November 1970 MF-$0.65; HC-$3.29
Elementary School Science, Instruction, Research Reviews (Publications), Science Education
This document includes research reports completed during 1963-64 related to the teaching and learning of elementary school science and also to the preparation of elementary school science teachers.

70-228 SE
Haney, Richard; And Others **A Summary of Research in Science Education for the Years of 1965-67, Elementary School Level** *Science Education Information Report, Research Review Series, Science Paper Number 2,* December 1969. 32p. (Review Paper) ED 038 554 RIE September 1970 MF-$0.65; HC-$3.29
Elementary School Science, Research Reviews (Publications), Science Education
Research reports completed during 1965-67 related to the teaching and learning of elementary school science, including the preparation of elementary school science teachers, are given.

70-229 SE
Ramsey, Gregor A. **A Review of the Research and Literature on the Chemical Education Materials Study Project** *Research Review Series, Science Paper Number 4,* January 1970. 32pp. (Review Paper) ED 037 592 RIE August 1970 MF-$0.65; HC-$3.29
Chemistry, Instruction, Research Reviews (Publications), Science Course Improvement Project, Secondary School Science
Descriptive, evaluative, and research reports related to the teaching and learning of the Chemical Education Materials Study Project materials are presented, along with suggestions for needed evaluation and research.

70-230 SE
Rogers, Robert E.; Voelker, Alan M. **Programs for Improving Science Instruction in the Elementary School - Part I, ESS** *Science and Children,* v7 n5, pp.35-43, January/February 1970. 8p. (Review Paper) ED 039 128 RIE September 1970 MF-$0.65; HC-National Science Teachers Association, 1201 16th St. N.W., Washington, D.C.
Curriculum, Elementary School Science, Instructional Materials, Science Course Improvement Project
Descriptive reports, evaluative reports, and research reports concerning materials for teaching elementary school science (ESS) are given which present the philosophy and the design of the program.

70-231 SE
Theiss, Francis C. **Science and Mathematics for Young Children: An Annotated Bibliography; January 1964 - June 1969** *Science Education Information Report, Special Bibliography Series, Number 1,* September 1969. 33pp. (Bibliography) ED 033 259 RIE March 1970 MF-$0.65 HC-$3.29
Annotated Bibliographies, Early Childhood Education, Elementary School Mathematics, Elementary School Science
Presented in this bibliography are citations and annotations for selected references related to science and mathematics for young children. Documents identified were published during the period of 1964 to 1969.

70-232 SE
Thomson, Barbara S.; Voelker, Alan M. **Programs for Improving Science Instruction in the Elementary School, Part II, SCIS** *Science and Children,* v7 n8, pp.29-37, May 1970. 17p. (Review Paper)
Curriculum, Physics, Physical Sciences, Secondary School Science, Student Enrollment
This paper reviews descriptive reports, evaluative reports, and research reports concerning the SCIS materials for teaching elementary school science. The philosophy and the design of the program is presented.

70-233 SE
Westmeyer, Paul; And Others **A Summary of Research in Science Education for the Years 1965-67, Secondary Level** *Science Education Information Report, Research Review Series, Science Paper Number 1,* September 1969. 36p. (Review Paper) ED 035 775 RIE June 1970 MF-$0.65; HC-$3.29
Bibliographies, Educational Research, Research Reviews (Publications), Science Education Secondary School Science
Research reports completed during 1965-67 related to the teaching and learning of science in secondary schools as well as reports related to the preparation of secondary school science teachers are reviewed.

70-234 SP
School Personnel Made Eligible for Initial Certification through MAT Programs: A Directory of Institutions with Data February 1969. 22p. (Directory with Data) ED 026 348 RIE June 1969 MF-$0.65; HC-$3.29
Accreditation (Institutions), Educational Programs, Masters Degrees, Teacher Certification, Teacher Education
3 types of information are given: the number of persons made eligible for initial certification through MAT programs during 1967, the total number of undergraduate and graduate students made eligible for initial certification through all kinds of programs in 1967, and accreditation status with the National Council of Accreditation. Joint publication with the American Association of Colleges for Teacher Education. (duplicate to 69-182 SP).

70-235 SP
Allen, Dwight W.; Cooper, James M. **Microteaching: History and Present Status** February 1970. 37p. (State-of-the-art Paper) ED 036 471 RIE June 1970 MF-$0.65; HC-$3.29
Educational Research, Microteaching, Teacher Education, Teaching Skills, Training Techniques
A summary of the history of microteaching's development, its uses, and research evidence concerning it is presented. Distinction is made between uses of microteaching and simulation, recognizing the latter as the more common practice in preservice education. Research summary emphasis is on empirically based studies of behavioral change and on areas related to teaching skills and training protocols.

70-236 SP
Burdin, Joel L.; Lanzillotti, Kaliopee, eds. **A Reader's Guide to the Comprehensive Models for Preparing Elementary Teachers** December 1969. 316p. (Program Description) ED 034 076 RIE May 1970 MF-$0.65 HC-$13.16
Behavioral Objectives, Elementary School Teachers, Individualized Instruction, Models, Teacher Education Curriculum
Authors of the 9 elementary teacher education models wrote summaries of their models which appear in this guide. Each summary presents information about model goals; selection procedures; preservice, professional, academic, and inservice components; faculty; evaluation; and management. Also included is a discussion among the writers about concerns of teacher educators. Published jointly with the American Association of Colleges for Teacher Education.

70-237 SP
Clothier, Grant; And Others **Preparing Teachers for Urban Schools: An Annotated Bibliography for Teacher Education** August 1969. 43p. (Annotated Bibliography) ED 033 094 RIE February 1970 MF-$0.65; HC-$3.29
Disadvantaged Youth, Instructional Materials, Preservice Education, Urban Schools
These 187 entries developed by the Cooperative Urban Teacher Education program present a selective reading list for undergraduate teacher education candidates. Entries are categorized under teacher education, sociology, psychology, and non-print materials. (Published jointly with the Mid-Continent Regional Educational Laboratory.)

70-238 SP
Cooper, James M. **A Guide to Model Elementary Teacher Education Program** 1969. 26p. (Program Description) ED 035 608 RIE May 1970 MF-$0.65 HC-$3.29
Elementary School Teachers, Individualized Programs, Performance Critera, Program Design, Teacher Education Curriculum
This University of Massachusetts model attempts to institutionalize change by way of a thorough analysis of educational roles, tasks, structure, and objectives.

70-239 SP
Cooper, James M. **Microteaching: History and Present Status. An Annotated Bibliography** February 1970. 14p. (Annotated Bibliography) ED 036 466 RIE June 1970 MF-$0.65; HC-$3.29
Annotated Bibliographies, Microteaching
48 articles, reports and papers on microteaching are included in this bibliography.

70-240 SP
Cottrell, Donald P. **Selected Bibliography on the Accreditation of Teacher Education** February 1970. 22p. (Annotated Bibliography) ED 036 467 RIE June 1970 MF-$0.65; HC-$3.29
Accreditation (Institutions), Annotated Bibliographies, Teacher Education
These 83 citations of published articles and books are confined to the past 15 years with factual materials as well as opinion included.

70-241 SP
Cruickshank, Donald R.; Broadbent, Frank W. **Simulation in Preparing School Personnel** February 1970. 51p. (State-of-the-art Paper) ED 036 470 RIE June 1970 MF-$0.65; HC-$3.29
Instructional Innovation, School Personnel, Simulation, Teacher Education, Training Techniques
An overview of simulation, particularly as it relates to professional preparation of school personnel, is presented under the headings: (1) design and development of instructional simulation, (2) uses of instructional simulation, (3) issues to be resolved, (4) advantages of simulation, (5) disadvantages of simulation, (6) questions to be resolved.

70-242 SP
Cruickshank, Donald R.; Broadbent, Frank W. **Simulation in Preparing School Personnel: A Bibliography** 1970. 13p. (Bibliography) ED 036 465 RIE June 1970 MF-$0.65; HC-$3.29
Bibliographies, Simulation, Teacher Education
This bibliography lists 130 books, articles, reports, theses, and other papers on the topic of simulation. Dates are from 1953-1969, most of them since 1965.

70-243 SP
Dodl, Norman R. **A Guide to a Model for the Preparation of Elementary School Teachers** 1969. 23p. (Program Description) ED 035 601 RIE May 1970 MF-$0.65; HC-$3.29
Behavioral Objectives, Elementary School Teachers, Models, Teacher Education
This is a Florida State University model. Teacher educators need to plan instruction with behavorial objectives. Trainees move through underclass, preservice and inservice phases. Upon graduation a trainee moves to a full-time teaching position at a "portal school"--a public school responsible for educating new teachers as well as children.

70-244 SP
Grambs, Jean D.; And Others **Paraprofessionals and Teacher Aides: An Annotated Bibliography** February 1970. 45p. (Annotated Bibliography) ED 036 482 RIE June 1970 MF-$0.65; HC-$3.29
Annotated Bibliographies, Differentiated Staffs, Job Training, Paraprofessional School Personnel, Teacher Aides
The 167 citations are presented under the following headings; (1) general training; (2) training aides for disadvantaged, adult education, special curriculum and media aides, and volunteers; (3) training specific persons as aides--the disadvantaged and the teenager; (4) career development programs; (5) junior college training programs; (6) bibliographies on training aides.

70-245 SP
Houston, Robert W. **A Guide to Behavioral Science Elementary Teacher Education Programs** 1969. 31p. (Program Description) ED 035 602 RIE May 1970 MF-$0.65; HC-$3.29
Behavioral Objectives, Elementary School Teachers, Models, Preservice Education, Teaching Styles
The key concept in this Michigan State University model is the clinical behavior style of the teachers it produces.

70-246 SP
Johnson, Charles E. **A Guide to Georgia Educational Model Specifications for the Preparation of Elementary Teachers** 1969. 41p. (Program Description) ED 035 606 RIE May 1970 MF-$0.65; HC-$3.29
Behavioral Objectives, Elementary School Teachers, Models, Performance Specifications, Teacher Education
In this University of Georgia model, the teacher performance behaviors are the basis of the trainee's learning activities. During the 3 phases of the program (pre-professional, professional, and inservice), the trainee experiences learning activities through proficiency modules.

70-247 SP
Joyce, Bruce R. **A Guide to the Teacher-Innovator: A Program to Prepare Teachers** 1969. 49p. (Program Description) ED 035 605 RIE May 1970 MF-$0.65; HC-$3.29
Elementary School Teachers, Individualized Instruction, Models, Teacher Education, Teaching Experience
This Teachers College, Columbia University model trains teachers for 4 roles: institutionbuilder, interactive teacher, innovator, and scholar. Teachers acquire understanding of these roles during preservice and inservice experiences in four methodologies: (1) inquiry and feedback groups, (2) differential training, (3) an inquiry school, (4) a contract laboratory.

70-248 SP
Lindsey, Margaret; And Others **Ferment in the Professional Education of Teachers. The Fourth Florence B. Stratemeyer Lecture** May 1969. 23pp. (Lecture Reprint) ED 032 253 RIE January 1970 MF-$0.65; HC-$3.29
Educational Change, Teacher Education
This is a 3-part lecture presented by former students of Florence B. Stratemeyer which pertains to the urban crisis and teaching, freedom and repression in the higher education establishment, and activism and teacher education. Published jointly with the Association for Student Teaching.

70-249 SP
McKenna, Bernard **Differentiated Staffing: An Annotated Bibliography** October 1969. 16p. (Annotated Bibliography) ED 033 898 RIE March 1970 MF-$0.65; HC-$3.29
Annotated Bibliographies, Differentiated Staffs
The 31 items selected for this bibliography deal directly with differentiation of school staffs. Published jointly with the National Commission on Teacher Education and Professional Standards.

70-250 SP
Ross, Marlene, comp. **Preparing School Personnel for Differentiated Staffing Patterns: A Guide to Selected Documents in the ERIC Collection, 1966-1968** May 1969. 74p. (Annotated Bibliography) ED 028 155 RIE August 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, Staff Role, Staff Utilization
This is a guide to 114 documents on differentiated staffing which were abstracted for RIE from 1966-1968. It summarizes RIE abstracts according to subject area classification. (duplicate to 69-185 SP).

70-251 SP
Ross, Marlene, comp. **Preparing School Personnel for an Open Society: A Guide to Selected Documents in the ERIC Collection, 1966-1968** May 1969. 98p. (Annotated Bibliography) ED 028 156 RIE August 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, Disadvantaged Groups, Minority Groups, Teacher Education
Abstracts of 166 documents containing information on programs for preparing teachers to teach in an open society appear in this guide. (duplicate to 69-184 SP).

70-252 SP
Ross, Marlene, comp. **School-College Collaboration in Preparing School Personnel: A Guide to Selected Documents in the ERIC Collection, 1966-1968** May 1969. 56p. (Annotated Bibliography) ED 029 000 RIE September 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, College School Cooperation, Inservice Programs, Teacher Education
This is a guide to 82 documents on preparing school personnel through the collaboration of schools, colleges, agencies, organizations, state departments of education, and the community. (duplicate to 69-186 SP).

70-253 SP
Ross, Marlene **Structured Practice in Preparing School Personnel: A Guide to Selected Documents in the ERIC Collection, 1966-1968** March 1969. 68p. (Annotated Bibliography) ED 026 349 RIE June 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, Practicion Supervision, Teacher Education, Teacher Experience
100 books, articles, and papers published between 1959 and 1968 are listed. Summaries of topics with references to document numbers are included in Part I, and abstracts to which the summaries are keyed with bibliographic information and availability notations are in Part 2. (duplicate to 69-187 SP).

70-254 SP
Sandefur, J.T.; Bressler, Alex A. **Classroom Observation Systems in Preparing School Personnel** March 1970. 37p. (State-of-the-art Paper) ED 037 377 RIE July 1970 MF-$0.65; HC-$3.29
Classroon Observation Techniques, Effective Teaching, Interaction Process Analysis, Measurement Instruments, Teacher Education
Of this 4-part paper, part 2 describes the more important classroom observation systems. The systems are in 3 categories: affective systems, cognitive systems, and multidimensional systems.

70-255 SP
Sandefur, J.T.; Bressler, Alex A. **Classroom Observation Systems in Preparing School Personnel: An Annotated Bibliography** February 1970. 10p. (Annotated Bibliography) ED 036 483 RIE June 1970 MF-$0.65; HC-$3.29
Annotated Bibliographies, Classroom Observation Techniques, Teacher Education
This bibliography lists and annotates 39 books, articles, reports and manuals--both published and unpublished. Citations range from 1943-1969, most of them since 1969.

70-256 SP
Schaefer, James F., Jr. **A Bibliography of References used in the Preparation of the Nine Model Teacher Education Programs** August 1969. 97p. (Bibliography) ED 031 460 RIE December 1969 MF-$0.65; HC-$3.29
Bibliographies, Teacher Education
These 1,372 entries published between 1961 and the present are divided into 4 topic areas in teacher education: the nature and training of teachers, education and educational practices, educational psychology, and educational technology.

70-257 SP
Schalock, H. Del. **A Guide to a Competency-Based, Field-Centered Systems Approach to Elementary Teacher Education** 1969. 38p. (Program Description) ED 035 603 RIE May 1970 MF-$0.65; HC-$3.29
Behavioral Objectives, Elementary School Teachers, Models, Teacher Education
The ComField model of the Northwest Regional Educational Laboratory requires that trainees demonstrate ability to bring about learning outcomes in children and parental involvement in the program. The trainee must become a self-understanding, self-directed learner, contribute to design and continual assessment of the program, and function in a wide range of social contexts.

70-258 SP
Southworth, Horton C. **A Guide to a Model of Teacher Training for the Individualization of Instruction** 1969. 42p. (Program Description) ED 035 609 RIE May 1970 MF-$0.65; HC-$3.29
Elementary School Teachers, Individualized Instruction, Models, Teacher Education
This University of Pittsburgh model humanizes education through individualized instruction. It also advises systematic feedback and cooperation between research-oriented and operation-oriented faculty in the program's implementation.

70-259 SP
Suchara, Helen T.; Smith, E. Brooks **Cooperative Teacher Education: School-College Relations in Developing School Personnel** May 1969. 26p. (Annotated Bibliography) ED 028 154 RIE August 1969 MF-$0.65; HC-$3.29
Annotated Bibliographies, College School Cooperation, Teacher Education
93 documents published between 1960 and 1969 are identified here dealing with school-college relations in developing school personnel. Major portions of the documents include information on school-college cooperative programs, while others are divided into subject areas. (duplicate to 69-188 SP).

70-260 SP
Weber, Wilford A. **A Guide to Specifications for a Comprehensive Undergraduate and Inservice Teacher Education Program for Elementary Teachers.** 1969. 24p. (Program Description) ED 035 604 RIE May 1970 MF-$0.65; HC-$3.29
Educational Change, Elementary School Teachers, Performance Specifications, Teacher Education
This Syracuse University model educates teachers to confront change and initiate change responsibility in schools and communities. 7 instructional units, focusing on process goals, are composed of modules, which are planned instructional episodes lasting from several hours to several months.

70-261 SP
Wiersma, William **A Guide to Educational Specifications for a Comprehensive Elementary Teacher Education Program** 1969. 18p. (Program Description) ED 035 607 RIE May 1970 MF-$0.65; HC-$3.29
Differentiated Staffs, Elementary Education, Performance Specifications, Teacher Education Curriculum, Team Teaching
The model developed by the consortium of Ohio universities allows individualized programs to be developed from 818 specifications, which include in excess of 2,000 behavorial objectives.

70-262 TE
Blake, Howard E.; Mattleman, Marciene S. **Basic Bibliography on Discussion and Informal Talk** February 1970. 4p. (Annotated Bibliography) ED 049 247 RIE July 1971 MF-$0.65; HC-$3.29
Bibliographies, Elementary Education, English Instruction, Secondary Education, Speech Skills
This document provides basic and current sources of information on teaching discussion and informal talk.

70-263 TE
Burress, Lee A., Jr. **Basic Annotated Bibliography on Censorship** January 1970. 7p. (Annotated Bibliography) ED 049 247 RIE July 1971 MF-$0.65; HC-$3.29
Bibliographies, Elementary Education, English Instruction, Secondary Education, Censorship
Basic and current sources of information on censorship are listed.

70-264 TE
Burrows, Alvina Treut. **Basic Bibliography on Teaching Composition in the Elementary School** April 1970. 5p. (Annotated Bibliography) ED 049 247 RIE July 1971 MF-$0.65; HC-$3.29
Bibliographies, Elementary Education, English Instruction, Secondary Education, Composition (Literary)
A listing of basic and current sources of information on teaching composition in elementary school is provided.

70-265 TE

Butler, Donna; O'Donnell, Bernard, eds. **A Guide to Available Project English Materials - Revised Edition** September 1969. 137p. (Annotated Bibliography) ED 034 775 RIE April 1970 MF-$0.65; HC-$6.58

Curriculum Development, Curriculum Study Centers, English Instruction, Resource Guides, Instructional Materials [Project English]

This guide gives abstracts and ordering information for Project English materials available from commercial or university publishers and from EDRS. It is indexed by subject and includes an appendix of all materials available from NCTE.

70-266 TE

Butler, Donna L.; Theiss, Carolyn, eds. **ERIC Documents on the Teaching of English. Volume 3: July-December 1969** April 1970. 78p. (Bibliography) ED 038 430 RIE August 1970 MF-$0.65; HC-$3.29

Bibliographies, English Curriculum, English Instruction, Instructional Materials

As the second 6-month supplement, this bibliography of 1,149 items represents a continuing effort to compile a list of all documents relating to English teaching that have been processed into the ERIC system.

70-267 TE

Clark, Roger G. **NCTE/ERIC Report on Innovation in Teaching English** *English Journal*, v58 n6, p949-955, September 1969. (Annotated Bibliography)

English Instruction, Instructional Innovation, Secondary Education [National Council of Teachers of English]

A review of abstracts and ordering information for ERIC documents which discuss the innovations being brought about by the electronic revolution and by reconsideration of the principles and techniques of English education.

70-268 TE

Denby, Robert V. **Literature by and about Negroes for the Elementary Level** *Elementary English*, v46 n7, p909-913, November 1969. (Annotated Bibliography)

Elementary Education, Negro Literature, Negro History

Abstracts and ordering information for ERIC documents concerned with literature by and about Negroes for use in an elementary language arts curriculum.

70-269 TE

Denby, Robert V. **An NCTE/ERIC Report on the Evaluation of Head Start Programs** *Elementary English*, v46 n8, p1053-1062, December 1969. (Annotated Bibliography)

Disadvantaged Youth, Program Evaluation, Preschool Education, Language Skills [Head Start]

This report includes abstracts of and ordering information for ERIC documents which evaluate Head Start programs emphasizing language development.

70-270 TE

Denby, Robert V. **NCTE/ERIC Report: Independent Study Programs** *English Journal*, v58 n9, p1396-1400, December 1969. (Annotated Bibliography)

Independent Study, Individual Instruction, Program Descriptions

Information concerning ERIC documents which are especially pertinent to independent study programs in English at the secondary level is included.

70-271 TE

Denby, Robert V. **NCTE/ERIC Report: Inservice Education for Language Arts Teachers: So Little Time. . .So Much To Learn** *Elementary English*, v47 n4, p580-590, April 1970. (Annotated Bibliography)

Inservice Teacher Education, Educational Resources, Language Arts, Elementary School Teachers

A review of ERIC documents potentially useful in planning inservice education programs for teachers of the language arts at the elementary school level is presented.

70-272 TE

Denby, Robert V. **NCTE/ERIC Report: A Reference Shelf on Curriculum Planning for the Language Arts K-8** *Elementary English*, v47 n3, p440-449, March 1970. (Annotated Bibliography)

Curriculum Planning, Language Arts, Elementary Education, Educational Resources

Abstracts of and ordering information for ERIC documents which can be consulted for ideas pertinent to curriculum revision, planning, and development in language arts, grades K-8.

70-273 TE

Denby, Robert V. **NCTE/ERIC Summaries and Sources: Film Study in the Secondary School** *English Journal*, v58 n8, p1259-1267, November 1969. (Annotated Bibliography)

Film Study, Secondary Education, Relevance (Education)

Included are ERIC documents dealing with the following aspects of film study: (1) reports of film study units and projects, (2) suggestions for developing such units, (3) lists of films available, (4) considerations of instructional objectives, and (5) strategies for surmounting obstacles to film study.

70-274 TE

Denby, Robert V. **NCTE/ERIC Summaries and Sources: Inservice Education for Secondary English Teachers: So Little Time. . .So Much to Learn** *English Journal*, v59 n4, p594-602, April 1970. (Annotated Bibliography)

Inservice Teacher Education, Secondary School Teachers, English Education

Information on ERIC documents potentially useful in planning inservice education programs for teachers of English at the secondary school level is provided.

70-275 TE

Denby, Robert V. **NCTE/ERIC Summaries and Sources: Literary Analysis in Secondary English Classes** *English Journal*, v59 n3, p438-448, March 1970. (Annotated Bibliography)

Literary Analysis, English Instruction, Secondary Education, Teaching Techniques

This document contains abstracts of and ordering information for ERIC documents pertinent to the use of literary analysis in secondary school English classes.

70-276 TE

Denby, Robert V. **Poetry Instruction in the Elementary Grades: An NCTE/ERIC Report** *Elementary English*, v46 n6, p796-802, October 1969. (Annotated Bibliography)

Elementary Education, English Instruction, Poetry, Teaching Techniques

Ordering information for and abstracts of ERIC documents which describe current instructional practices in teaching poetry reading and writing at the elementary school level and suggest means for improving such instruction.

70-277 TE

Dykema, Karl W. **Basic Bibliography on Lexicography** September 1969. 3p. (Annotated Bibliography) ED 049 247 RIE July 1971 MF-$0.65; HC-$3.29

Bibliographies, Elementary Education, English Instruction, Secondary Education, Lexicography

Intended for secondary English teachers, this bibliography gives basic and current sources of information on lexicography.

70-278 TE

Harvey, Robert **Information Systems and the Teacher of Teachers** *English Education*, v1 n2, p103-109, March 1970. (Report)

Information Systems, Teacher Educators, Information Dissemination, English Education

This document reviews the growth of the ERIC system and of NCTE/ERIC during 1968 and 1969 and informs teacher-educators about the ways that NCTE/ERIC products can help them and their students.

70-279 TE

Harvey, Robert C. **NCTE/ERIC Report on Children's Literature: Why? How? What** *Elementary English*, v47 n2, p293-304, February 1970. (Annotated Bibliography)

Children, Literature, Childrens Books

This article contains abstracts of and ordering information for ERIC documents on the subject of teaching children's literature in the elementary schools.

70-280 TE

Harvey, Robert C. **NCTE/ERIC Summaries & Sources: Poetry in Secondary Schools** *English Journal*, v59 n2, p308-315, February 1970. (Annotated Bibliography)

Poetry, Secondary Education, English Instruction

This article lists ERIC documents on the subject of teaching poetry in the secondary schools.

70-281 TE

Lundsteen, Sara W. **Basic Annotated Bibliography on Listening** September 1969. 6p. (Annotated Bibliography) ED 049 247 RIE July 1971 MF-$0.65; HC-$3.29

Bibliographies, Elementary Education, English Instruction, Secondary Education, Listening Skills

Intended for elementary and secondary English teachers and supervisors, this bibliography gives information on the relationship of listening to reading and writing skills.

70-282 TE

Malkoc, Anna Maria; Roberts, A. Hood **NCTE/ERIC Report: Bilingual Education: A Special Report from CAL/ERIC** *Elementary English*, v47 n5, p713-725, May 1970. (Annotated Bibliography)

Bilingual Education, English (Second Language), Cultural Pluralism

Abstracts of and ordering information for ERIC documents concerned with bilingual education are included.

70-283 TE

Malkoc, Anna Maria; Roberts, A. Hood **NCTE/ERIC Summaries and Sources: Bilingual Education: A Special Report from CAL/ERIC** *English Journal*, v59 n5, p721-729, 735, May 1970. (Annotated Bibliography)

Bilingual Education, English (Second Language), Cultural Pluralism

Included is a review of ERIC documents concerned with bilingual education.

70-284 TE

Odland, Norine **Teaching Literature in the Elementary School. NCTE/ERIC Studies in the Teaching of English** July 1969. 67p. (State-of-the-art Paper) ED 031 482 RIE December 1969 MF-$0.65; HC-$3.29

Childhood Interests, Elementary Education, English Instruction, Literature, Teaching Methods

This paper reviews the current practices and recent research and development in the field of teaching literature in the lower grades and offers guidance for future practice, and for future research and development.

70-285 TE

O'Donnell, Bernard **NCTE/ERIC Operation Evaluation** *Elementary English*, v47 n1, p22-26, January 1970. (Report)

Professional Services, English Education, Program Evaluation, Information Dissemination

The growth of the ERIC system and of NCTE/ERIC during 1968 and 1969 and the results of recent NCTE/ERIC efforts to have its services evaluated by ERIC users are reported.

70-286 TE

Richardson, Genevieve **Basic Bibliography on Dramatic Arts: Playwriting, Acting and Staging** May 1970. 4p. (Annotated Bibliography) ED 049 247 RIE July 1971 MF-$0.65; HC-$3.29

Bibliographies, Elementary Education, English Instruction, Secondary Education, Dramatics

This document gives basic and current sources of information on the dramatic arts--playwriting, acting and staging.

70-287 TE
Scannell, William J., ed. **Annotated List of Recommended Elementary and Secondary Curriculum Guides in English, 1969** November 1969. 41p. (Annotated Bibliography) ED 033 950 RIE March 1970 MF-$0.65; HC-$3.29
Annotated Bibliographies, Curriculum Guides, Elementary Grades, English Instruction, Secondary Grades
This publication gives evaluative annotations and ordering information for 50 elementary and secondary curriculum guides reviewed and recommended by NCTE's Committee on Curriculum Bulletins. A copy of the criteria and rating scale used by the Committee is appended.

70-288 TE
Schwartz, Sheila **Basic Bibliography on the Humanities** February 1970. 4p. (Annotated Bibliography) ED 049 247 RIE July 1971 MF-$0.65; HC-$3.29
Bibliographies, Elementary Education, English Instruction, Secondary Education, Humanities
This document provides basic and current sources of information on the teaching of the humanities in secondary schools.

70-289 TE
Sloan, Thomas O. **Basic Annotated Bibliography on Public Speaking and Oral Interpretation** June 1970. 4p. (Annotated Bibliography) ED 049 247 RIE July 1971 MF-$0.65; HC-$3.29
Bibliographies, Elementary Education, English Instruction, Secondary Education, Rhetoric
Basic and current sources of information on public speaking and oral interpretation are presented.

70-290 TE
Smith, Rodney P., Jr. **Creativity in the English Program. NCTE/ERIC Studies in the Teaching of English** April 1970. 101pp. (State-of-the-art Paper) ED 038 413 RIE August 1970 MF-$0.65; HC-$6.58
Creativity, English Instruction, Student Participation, Teacher Role, Teaching Methods
The paper surveys the research on the nature of creativity and points out the possibilities for developing creativity through the study of literature and language. It challenges teachers on all levels to recognize and encourage creativity in their students.

70-291 TE
Thiess, Carolyn, ed.; And Others **ERIC Documents on the Teaching of English, Volume 2: January-June 1969** October 1969. 47p. (Bibliography) ED 033 140 RIE February 1970 MF-$0.65; HC-$3.29
Bibliographies, English Curriculum, English Instruction, Instructional Materials
This bibliography lists 522 items and gives ordering information for all the English-related items announced in the January through June 1969 issues of Research in Education. Titles are arranged by subject and indexed by author.

70-292 TE
White, Elizabeth S. **Basic Annotated Bibliography of Biography** December 1969. 4p. (Annotated Bibliography) ED 049 247 RIE July 1971 MF-$0.65; HC-$3.29
Bibliographies, Elementary Education, English Instruction, Secondary Education, Biographies
This document provides basic and current sources of information on teaching biography.

70-293 TE
York, L. Jean **Basic Bibliography on Handwriting, Capitalization and Punctuation** December 1969. 5p. (Annotated Bibliography) ED 049 247 RIE July 1971 MF-$0.65; HC-$3.29
Bibliographies, Elementary Education, English Instruction, Secondary Education, Writing Skills
Basic and current sources of information on handwriting, capitalization, and punctuation are included in this document.

70-294 FL
Carroll, John B. **What Does the Pennsylvania Foreign Language Research Project Tell Us** *Foreign Language Annals*, v3 n2, pp214-236, December 1969. (Review Paper)
Language Research, Program Evaluation, Program Design, Teaching Methods [Pennsylvania Foreign Language Project]
This critique of the project cites reasons for avoiding blind acceptance of the conclusions offered.

70-295 FL
Gaj, Patricia **An Analysis of a Follow-Up Questionnaire Administered to 743 Students who had been Enrolled in Freshman English at Nine Junior Colleges** August 1969. 9p. (Review Paper) ED 033 154 RIE February 1970 MF-$0.65; HC-$3.29
College Students, Dropout Attitudes, English Programs, Junior Colleges, Student Opinion
Student opinion of junior college English programs is reflected in this analysis. Comparisons are drawn between dropout and sophomore responses, and between humanities-social science-service and science-math-technology sophomores.

70-296 FL
Gaj, Patricia **The Preparation of Junior College English Instructors** August 1969. 6p. (Review Paper) ED 033 153 RIE February 1970 MF-$0.65; HC-$3.29
English Instruction, Graduate Surveys, Junior Colleges, Teacher Education, Teacher Programs
Results of a survey of graduate English departments, responses of young junior college English instructors to a request to assess their preparation, and tentative recommendations for junior college teacher preparation are presented.

70-297 FL
Lange, Dale L., ed. **1969 ACTFL Annual Bibliography of Books and Articles on Pedagogy in Foreign Languages** *Foreign Language Annals*, v3 n4, p627-673, May 1970. 52p. (Bibliography) ED 040 625 RIE November 1970 MF-$0.65; HC-$3.29
Applied Linguistics, Bibliographies, Classical Languages, Language Instruction, Modern Languages
This document contains a classified list of 1,377 articles, books, monographs, etc. which appeared in 1969. Relevant EDRS accessions in 1969 are included, and an authors index is appended.

70-298 FL
Mathieu, G. Bording **Poems in Early Foreign Language Instruction** *ERIC Focus Reports on the Teaching of Foreign Languages, Number 15*, June 1970. 14p. (Review Paper) ED 040 624 RIE November 1970 MF-$0.65; HC-$3.29
Audiolingual Methods, Language Instruction, Modern Languages, Poetry, Teaching Methods
A discussion of techniques for teaching poetry, with a bibliography of further reading, is included in this paper.

70-299 FL
Mildenberger, Andrea S.; Mazzeo, Margarita, comps. **ERIC Documents on the Teaching of Foreign Languages: List Number 4** *Foreign Language Annals*, v3 n3, pp489-502, March 1970. 18p. (Bibliography) ED 037 150 RIE July 1970 MF-$0.65; HC-$3.29
Catalogs, Clearinghouses, Educational Resources, Language Instruction
This catalog lists 344 EDRS documents on the teaching of foreign languages appearing in RIE from May 1969 through October 1969. Each item cites location of relevant abstract, ED number, and cost.

70-300 FL
Mildenberger, Andrea S.; Wood, Carol, comps. **ERIC Documents on the Teaching of Foreign Languages: List Number 3** *Foreign Language Annals*, v3 n1, pp.113-127, October 1969. 19p. (Bibliography) ED 033 643 RIE March 1970 MF-$0.65; HC-$3.29
Catalogs, Clearinghouses, Educational Resources, Language Instruction, Second Language Learning
This bibliography lists 352 EDRS documents on the teaching of foreign languages appearing in RIE from October 1968 through April 1969. Each item cites location of relevant abstract, ED number, and cost.

70-301 FL
Munoz, Olivia **Songs in the Foreign Language Classroom** *ERIC Focus Reports on the Teaching of Foreign Languages, Number 12*, August 1969. 10p. (Review Paper) ED 034 450 RIE April 1970 MF-$0.65; HC-$3.29
Language Instruction, Second Language Learning, Singing, Teaching Methods, Teaching Techniques
Relevant techniques and materials, with a source list for appropriate teaching materials are discussed

70-302 FL
Nelson, Bonnie E., ed. **Descriptions of Graduate Programs in English at Miami University (Oxford), The University of Wisconsin (Milwaukee), Virginia Polytechnic Institute, Illinois State University, and Depauw University** July 1969. 40p. (Program Descriptions) ED 031 512 RIE December 1969 MF-$0.65; HC-$3.29
Degree Requirement, Degrees (Titles), English Programs, Graduate Study, Program Descriptions

70-303 FL
Nelson, Bonnie E., ed. **Descriptions of Graduate Programs in English at Pennsylvania State University (University Park) and The University of Tennessee** July 1969. 52p. (Program Descriptions) ED 031 517 RIE December 1969 MF-$0.65; HC-$3.29
Degree Requirements, Doctoral Degrees, English, Masters Degrees, Program Descriptions

70-304 FL
Nelson, Bonnie E., ed. **Descriptions of Graduate Programs in English at Teachers College (Columbia), Duke University, and Princeton University** May 1969. 18p. (Program Descriptions) ED 028 203 RIE August 1969 MF-$0.65; HC-$3.29
Degree Requiremtns, Doctoral Degrees, English, Masters Degrees, Program Descriptions

70-305 FL
Nelson, Bonnie E., ed. **Descriptions of Graduate Programs in English at the University of Iowa, Texas Technological College, and The University of Oregon (Eugene).** July 1969. 29p. (Program Descriptions) ED 031 513 RIE December 1969 MF-$0.65; HC-$3.29
Degree Requirements, Degrees (Titles), English Programs, Graduate Study, Program Descriptions

70-306 FL
Nelson, Bonnie E., ed. **Descriptions of Graduate Programs in English at the University of Wisconsin (Madison), The University of Cincinnati, The University of North Carolina (Chapel Hill), and the University of Illinois (Urbana)** July 1969. 31p. (Program Descriptions) ED 031 516 RIE December 1969 MF-$0.65; HC-$3.29
Degree Requirements, Doctoral Degrees, English Programs, Masters Degrees, Program Descriptions

70-307 FL
Nelson, Bonnie E., ed. **Descriptions of Recently Revised Graduate Programs in English at Indiana University (Bloomington), New York University, and The University of South Carolina** May 1969. 11p. (Program Descriptions) ED 028 204 RIE August 1969 MF-$0.65; HC-$3.29
Degree Requirements, Doctoral Degrees, English, Masters Degrees, Program Descriptions

70-308 FL
Nelson, Bonnie E., ed. **Future Ph.D. Programs in English at Boston College and Memphis State University** July 1969. 8p. (Program Descriptions) ED 031 514 RIE December 1969 MF-$0.65; HC-$3.29
Degree Requirements, Doctoral Programs, English Programs, Graduate Study, Program Proposals

70-309 FL
Nelson, Bonnie E., ed. **Graduate Programs in English at Marquette University and the University of Michigan: Bulletins for Graduate Students** May 1969. 30p. (Program Descriptions) ED 028 205 RIE August 1969 MF-$0.65; HC-$3.29
Degree Requirements, Doctoral Degrees, English, Masters Degrees, Program Descriptions

70-310 FL
Nelson, Bonnie E., comp. **Graduate Programs in English and American Literature: A 1969 Report** May 1969. 31p. (Review Paper) ED 028 202 RIE August 1969 MF-$0.65; HC-$3.29
Degree Requirements, Doctoral Degrees, English Programs, Graduate Study, Program Content
In addition to statistical data on degrees, enrollments, and faculty size the study includes discussions of dissertations, length of doctoral study, intermediate degrees, foreign language requirements, and class size.

70-311 FL
Nelson, Bonnie E., ed. **A Handbook For Graduate Students at the University of British Columbia** July 1969. 13p. (Program Description) ED 031 515 RIE December 1969 MF-$0.65; HC$3.29
Degree Requirements, Doctoral Degrees, English Programs, Masters Degrees, Program Descriptions

70-312 FL
Nelson, Bonnie E., ed. **A Proposal for the Establishment of an English Ph.D. Program, Beginning 1970-71 at the University of Idaho (Moscow)** July 1969. 26p. (Program Description) ED 031 511 RIE December 1969 MF-$0.65; HC-$3.29
Degree Requirements, Doctoral Programs, English Programs, Library Surveys, Program Proposals

70-313 FL
Nelson, Robert J. **Using Radio to Develop And Maintain Competence in a Foreign Language** *ERIC Focus Reports on the Teaching of Foreign Languages, Number 11,* July 1969. 10p. (Review Paper) ED 036 215 RIE June 1970 MF-$0.65; HC-$3.29
Cultural Education, Language instruction, Listening Comprehension, Radio, Second Language Learning
A discussion of relevant techniques and materials, with a bibliography of further readings is presented.

70-314 FL
Scarry, John, comp. **ERIC Reports on the Junior College Survey: The President's Questionnaire** November 1969. 5p. (Review Paper) ED 037 479 RIE July 1970 MF-$0.65; HC-$3.29
Administrator Attitudes, English Instruction, Junior Colleges, Questionnaires, Reports
This is a preliminary report of a joint study of the teaching of English at the junior college level based on 127 responses to a questionnaire sent to junior college presidents.

70-315 FL
Sheppard, Douglas C. **Certifying Teachers of Modern Foreign Languages For American Public Schools--1969** *Foreign Language Annals,* v3 n4, May 1970. 17p. (Review Paper) ED 038 071 RIE August 1970 MF-$0.65 HC-$3.29
Language Instruction, Modern Languages, Public Schools, Surveys, Teacher Certification
The survey of state certification practices and requirements for modern foreign language teachers reports on credit and hour requirements for elementary, secondary, supervisory, and coordinator certification. The questionnaire used in the survey is included with a state-by-state tabulation of responses.

70-316 FL
Shugrue, Michael F. **The National Study of English in the Junior College** March 1970. 18p. (Review Paper) ED 037 480 RIE July 1970 MF-$0.65; HC-$3.29
Administrator Attitudes, English Curriculum, English Departments, Junior Colleges, School Surveys
The focus of this report is upon the findings of a comprehensive, cooperative study of the junior college English department, its curriculum, and the role of its chairman. 8 major recommendations are provided.

70-317 FL
Stack, Edward M. **The Mechanical Potential of the Language Laboratory** *ERIC Focus Reports on the Teaching of Foreign Languages, Number 14,* May 1970. 16p. (Review Paper) ED 038 072 RIE August 1970 MF-$0.65; HC-$3.29
Language Instruction, Language Laboratories, Language Laboratory Equipment, Modern Languages
The basic mechanical functions of the foreign language laboratory described in this report enable utilization of authentic target language, linguistically effective learning devices, visuals, and facilities for monitoring and testing.

70-318 FL
Striano, Antonio, comp.; Adorno, Elvira, ed. **Italian in the Colleges and Universities of the U.S.** June 1970. 149p. (Survey) ED 040 620 RIE November 1970 MF-$0.65; HC-$6.58
College Language Programs, Italian, Language Instruction, National Surveys, Study Abroad
This document indicates course offerings at the undergraduate and graduate levels, as well as opportunities for study abroad. Resource lists are included.

70-319 FL
Svobodny, Dolly D., comp. **Television and Film in College English Instruction: A Bibliography of Research and Studies with Abstracts** October 1969. 29p. (Annotated Bibliography) ED 035 674 RIE May 1970 MF-$0.65; HC-$3.29
English, Films, Higher Education, Instructional Television, Television Research
This bibliography lists 62 items, with abstracts. For EDRS items, relevant purchase data are given.

70-320 FL
Turner, E. Daymond, Jr. **Correlation of Language Class and Language Laboratory** *ERIC Focus Reports on the Teaching of Foreign Languages, Number 13,* October 1969. 12p. (Review Paper) ED 034 451 RIE April 1970 MF-$0.65; HC-$3.29
Classrooms, Educational Coordination, Language Instruction, Language Laboratory, Second Language Learning
Guidelines and relevant techniques, with a bibliography of further reading, are discussed.

70-321 FL
Valette, Rebecca M. **Directions in Foreign Language Testing** December 1969. 66p. (State-of-the-art Paper) ED 034 460 RIE April 1970 MF-$0.65; HC-$3.29
Achievement Tests, Aptitude Tests, Language Tests, Objectives, Second Language Learning
This handbook considers aptitude testing, the need to classify the aims of foreign language instruction, techniques and recent research on measuring achievement, the use of tests in the classroom, and methods of evaluating teacher competence.

70-322 FL
Wiley, David E. **A Methodological Review of the Pennsylvania Foreign Language Research Project** *Foreign Language Annals,* v3 n2, pp.208-213, December 1969. (Review Paper)
Modern Language, Language Research, Program Evaluation, Evaluation Techniques [Pennsylvania Foreign Language Project]
Project history is reviewed, and the distinction between conclusion-and decision-oriented research is made and applied to evaluation. Implications for the design of evaluation studies are specified and employed in reviewing the research project.

70-323 UD
Cohen, David K. **Immigrants and the Schools: A Review of Research** *ERIC-IRCD Urban Disadvantaged Series, Number 8,* December 1969. 21p. (Review Paper) ED 033 263 RIE March 1970 MF-$0.65; HC-$3.29
Educational Research, Educational Retardation, Immigrants, Literature Reviews, Social Mobility
Various measures of school performance for immigrant and native white children with reference to schooling and social mobility are compared. Findings suggest that many immigrant group pupils were much more likely to be retarded than their native white schoolmates. Much variability in immigrant children's educational attainment was noted.

70-324 UD
Gordon, Edmund W. **An Annotated Bibliography on Higher Education of the Disadvantaged** 1970. 69p. (Annotated Bibliography) ED 038 478 RIE August 1970 MF-$0.65; HC-$3.29
Annotated Bibliographies, Compensatory Education Programs, Disadvantaged Youth, Higher Education, Minority Groups
The focus of this biliography is on the following: civil rights and access to higher education; programs and practices in higher education for the disadvantaged; college admissions and guidance; characteristics of disadvantaged students; and, the Negro college. Addendum of 27 items updating main bibliography is also included. The majority of listed items are journal articles.

70-325 UD
Gordon, Edmund W. **Building a Socially Supportive Environment** *ERIC-IRCD Urban Disadvantaged Series, Number 16,* June 1970. 21p. (Review Paper) ED 038 558 RIE September 1970 MF-$0.65; HC-$3.29
Cultural Pluralism, Educational Development Social Environment, Social Structure, Social Systems
This document discusses acceleration in the process of habituation and growing complexity in adaptation as a result of reaction toward increasing complexity of modern social environments. Strategies for achieving ecological balance or personal-politico-social homeostasis in the process of building a socially supportive environment are suggested.

70-326 UD
Gordon, Edmund W. **Guidance in an Urban Setting** *ERIC-IRCD Urban Disadvantaged Series, Number 15,* June 1970. 16p. (Review Paper) ED 038 547 RIE September 1970 MF-$0.65; HC-$3.29
Behavior Problems, Disadvantaged Youth, Guidance Programs, Learning Processes, Student Characteristics
This paper describes and categorizes the characteristics of disadvantaged urban children with behavior disorders which may have some deleterious effect on their learning, and discusses the several kinds of activities which a comprehensive program of guidance for such children would entail for a specialist in guidance services.

70-327 UD
Gordon, Edmund W., ed. **IRCD Bulletin, v5 Summer 1969** v5 n3, Summer 1969. 23p. (Review Paper) ED 035 677 RIE May 1970 MF-$0.65; HC-$3.29
Bibliographies, Cultural Disadvantagement, Culture Pluralism, Curriculum Development, Relevance (Education)
This issue is devoted to the subject of curriculum relevance. Articles include: "Relevance and Pluralism in Curriculum Development" (Dr. Edmund Gordon), "Toward Curriculum Relevance for Minority Group Children" (Dr. Adelaide Jablonsky), and interpretative statements on Afro-American studies by Mr. Lebert Bethune and Mr. Richard G. Hatcher.

70-328 UD
Gordon, Edmund W., ed. **Education, Ethnicity, Genetics and Intelligence. Jensenism: Another Excuse for Failure to Educate** *IRCD Bulletin, Fall 1969,* v5 n4, September 1969. 18p. (Review Paper) ED 037 519 RIE July 1970 MF-$0.65; HC-$3.29
Environmental Influences, Genetics, Heredity, Intelligence Differences [Jensen (Arthur R)]
This issue is devoted to commentaries on an article in a recent issue of Harvard Educational Review on the nature-nurture controversy by Arthur R. Jensen. Articles included are by Dr. Edmund Gordon, Carol Lopate, Benjamin Bloom, Allan Goldstein, and Howard Gruber. Selected bibliographies on the subject are also included.

70-329 UD
Gordon, Edmund W., ed. **IRCD Bulletin Volume 5, Number 5** Winter 1969. 15p. (Review Paper) ED 038 485 RIE August 1970 MF-$0.65; HC-$3.29
Admission Criteria, College Admission, Higher Education, Open Enrollment, Policy Formation
Papers focusing on procedures and policies relating to admission to colleges are included in this issue of the IRCD Bulletin. A paper by Dr. Edmund Gordon discusses the democratizing and humanistic functions of colleges in arriving at

new admissions policies. Other papers focus on meaning of admissions decisions and policies, and dual admissions proposals.

70-330 UD
Jablonsky, Adelaide, ed. **ERIC-IRCD Resources on the School Dropout** *ERIC-IRCD Urban Disadvantaged Series, Number 14,* April 1970. (Bibliography) ED 037 589 RIE August 1970 MF-$0.65; HC-$3.29
Bibliographies, Disadvantaged Youth, Dropout Programs, Federal Programs, State Programs
The bibliography is a supplement to a series of 5 review-papers and annotated bibliographies on school dropouts. The items listed are available in the ERIC-IRCD local library for reference only, and relate to publications focusing entirely on, or several sections of which deal with, the dropout. Journal articles are excluded from listing.

70-331 UD
Jablonsky, Adelaide, ed. **The Job Corps: A Review of the Eric Literature** *ERIC-IRCD Urban Disadvantaged Series, Number 13,* March 1970. 33p. (Annotated Bibliography) ED 036 662 RIE July 1970 MF-$0.65; HC-$3.29
Annotated Bibliographies, Job Development, Job Training, Youth Programs [Job Corps]
This annotated bibliography includes a short review of the specific areas in which the bibliographic listings are grouped. These categories, which list a total of 46 items, are the following: Job Corps programs, history and need, planning and program descriptions, administration, instruction (reading and other), guidance, and evaluations and recommendations.

70-332 UD
Jablonsky, Adelaide; Barnes, Regina **The Neighborhood Youth Corps: A Review of the ERIC Literature** *ERIC-IRCD Urban Disadvantaged Series, Number 12,* March 1970. 23p. (Annotated Bibliography) ED 036 661 RIE July 1970 MF-$0.65; HC-$3.29
Annotated Bibliographies, Out of School Youth, Youth Employment, Youth Programs [Neighborhood Youth Corps]
Included in this annotated bibliography is a short review on the history and operation of the Neighborhood Youth Corps. The 21 items in this annotated listing have the following breakdown: program descriptions, characteristics of participants, evaluation reports, and reaction papers.

70-333 UD
Jablonsky, Adelaide, ed. **School Dropout Programs. A Review of the ERIC Literature** *ERIC-IRCD Urban Disadvantaged Series, Number 10,* March 1970. 30p. (Annotated Bibliography) ED 035 779 RIE June 1970 MF-$0.65; HC-$3.29
Annotated Bibliographies, Disadvantaged Youth, Dropout Problems, Dropout Programs, Dropouts
This bibliography carries a brief review of program descriptions and evaluations relating to school dropouts. The extensively annotated listing is in 4 sections: state and city reports, program designs, counseling and guidance programs, and summer programs.

70-334 UD
Jablonsky, Adelaide, ed. **The School Dropout: A Review of ERIC Literature** *ERIC-IRCD Urban Disadvantaged Series, Number 9,* March 1970. 42p. (Annotated Bibliography) ED 035 778 RIE June 1970 MF-$0.65; HC-$3.29
Annotated Bibliographies, Dropout Characteristics, Dropout Programs, Dropout Problems, Dropouts
Included in this bibliography is a short review on causes and characteristics of school dropouts and of special dropout groups. The listing has the following breakdown: general references, and special groups arranged as rural, American Indian (general, Sioux, and Johnson-O'Malley programs), Alaskan, Negro and female students.

70-335 UD
Jablonsky, Adelaide, ed. **The School Dropout and the World of Work: A Review of the ERIC Literature** *ERIC-IRCD Urban Disadvantaged Series, Number 11,* March 1970. 27p. (Annotated Bibliography) ED 035 780 RIE June 1970 MF-$0.65; HC-$3.29
Annotated Bibliographies, Dropouts, Employment Problems, Employment Programs, Job Skills
This bibliography is comprised specifically of items relating to employment problems, programs, and prospects of the school dropout. A brief review of the "world of work" of the dropout precedes the listing, which is arranged in the following categories: data collection and analysis, program planning, program descriptions, and program evaluation and follow up.

70-336 UD
Lopate, Carol **The College Readiness Program: A Program for Third World Students at the College of San Mateo, California. The Study of Collegiate Compensatory Programs for Minority Group Youth** November 1969. 36p. (Review Paper) ED 035 686 RIE May 1970 MF-$0.65; HC-$3.29
Junior Colleges, Lower Class Students, Work Study Programs [College Readiness Program]
This study describes the 2 1/2-year history of a program aimed at increasing the number of Third World students in the College of San Mateo, California, and ensuring that these students receive the necessary financial, emotional, and academic backing to succeed in college.

70-337 VT
Abstracts of Instructional Materials in Vocational and Technical Education (AIM) Summer 1969 164p. (Quarterly Abstract Publication) ED 032 433 RIE January 1970 MF-$0.65; HC-$6.58
Annotated Bibliographies, Instructional Materials, Technical Education, Vocational Education
Instructional materials acquired and processed by the Clearinghouse for Vocational and Technical Education are classified by vocational or supporting service areas (e.g. agricultural education, business and office education, etc.). Each item is also indexed by personal and institutional author, major subjects and identifiers. AIM is issued quarterly (Fall, Winter, Spring, Summer) and began Fall 1967.

70-338 VT
Abstracts of Instructional Materials in Vocational and Technical Education (AIM), Fall 1969 176p. (Quarterly Abstract Publication) ED 034 075 RIE March 1970 MF-$0.65; HC-$6.58
Annotated Bibliographies, Technical Education, Vocational Education, Instructional Materials
Instructional materials acquired and processed by the Clearinghouse for Vocational and Technical Education are classified by vocational or supporting service areas (e.g. agricultural education, business and office education, etc.). Each item is also indexed by personal and institutional author, major subjects and identifiers. AIM is issued quarterly (Fall, Winter, Spring, Summer) and began Fall 1967.

70-339 VT
Abstracts of Instructional Materials in Vocational and Technical Education (AIM), Winter 1969 168p. (Quarterly Abstract Publication) ED 037 584 RIE July 1970 MF-$0.65; HC-$6.58
Annotated Bibliographies, Technical Education, Vocational Education, Instructional Materials
Instructional materials acquired and processed by the Clearinghouse for Vocational and Technical Education are classified by vocational or supporting service areas (e.g., agricultural education, business and office education, etc.). Each item is also indexed by personal and institutional author, major subjects and identifiers. AIM is issued quarterly (Fall, Winter, Spring and Summer) and began Fall 1967.

70-340 VT
Abstracts of Research and Related Materials in Vocational and Technical Education (ARM), Summer 1969 207p. (Quarterly Abstract Publication) ED 031 586 RIE December 1969 MF-$0.65; HC-$9.87
Annotated Bibliographies, Educational Research, Technical Education, Vocational Education
Research and research related materials acquired and processed by the Clearinghouse for Vocational and Technical Education are classified by topical areas (e.g., administration and supervision, employment and occupations, evaluation and measurement, etc.). Each report is also indexed by personal and institutional author, major subjects and identifiers, and vocational or supporting services. Arm is issued quarterly (Fall, Winter, Spring, Summer) and began Fall 1967.

70-341 VT
Abstracts of Research and Related Materials in Vocational and Technical Education (ARM), Fall 1969 206p. (Quarterly Abstract Publication) ED 033 247 RIE February 1970 MF-$0.65; HC-$9.87
Annotated Bibliographies, Educational Research, Technical Education, Vocational Education
Research and research related materials acquired and processed by the Clearinghouse for Vocational and Technical Education are classified by topical areas (e.g., administration and supervision, employment and occupations, evaluation and measurement, etc.). Each report is also indexed by personal and institutional author, major subjects and identifiers, and vocational or supporting services. ARM is issued quarterly (Fall, Winter, Spring, Summer) and began Fall 1967.

70-342 VT
Abstracts of Research and Related Materials in Vocational and Technical Education (ARM), Winter 1969 264p. (Quarterly Abstract Publication) ED 036 654 RIE June 1970 MF-$0.65; HC-$9.87
Annotated Bibliographies, Educational Research, Technical Education, Vocational Education
This quarterly publication announces the availability of documents acquired and processed by the Clearinghouse on Vocational and Technical Education.

70-343 VT
Abstracts of Research and Related Materials in Vocational and Technical Education (ARM) Spring 1970 322p. (Quarterly Abstract Publication) ED 039 367 RIE September 1970
Annotated Bibliographies, Educational Research, Technical Education, Vocational Education
Research and research-related materials acquired and processed by the Clearinghouse for Vocational and Technical Education are classified by topical areas (e.g., administration and supervision, employment and occupations, evaluation and measurement, etc.). Each report is also indexed by personal and institutional author, major subjects and identifiers, and vocational or supporting services. Arm is issued quarterly (Fall, Winter, Spring and Summer) and began Fall 1967.

70-344 VT
Abstracts of Instructional Materials in Vocational and Technical Education and Abstracts of Research and Related Materials in Vocational and Technical Education AIM-ARM Annual Index, 1968-1969 1969. 114p. (Index to Abstract Publications) ED 036 652 RIE June 1970 MF-$0.65; HC-$6.58
Bibliographies, Educational Research, Indexes (Locaters), Instructional Materials, Vocational Education
Included in this annual publication are the cumulative indexes to the Fall 1968-Summer 1969 issues of the quarterly publications.

70-345 VT
Ashmun, Richard D.; Larson, Roger A. **Review and Synthesis of Research on Distributive Education 1960-1968** April 1970. 89p. (State-of-the-Art Paper) ED 038 498 RIE August 1970 MF-$0.65; HC-$3.29
Distributive Education, Educational Research, Literature Reviews
The 149 citations in the field of distributive education cover the following topics: philosophy and objectives, manpower needs and employment opportunities, curriculum development, educational programs, instructional materials, learning processes and teaching methods, student personnel services, teacher education, administration and supervision, evaluation, and miscellaneous studies.

70-346 VT
Brandon, George L., ed. **Research Visibility, Accreditation and Evaluation** *American Vocational Journal;* v45 n2, pp.53-60, February 1970. 16p. (Report) ED 037 575 RIE July 1970 MF-$0.65; HC-$3.29
Accreditation (Institutions), Bibliographies, Evaluation Research Reviews (Publications), Vocational Education
Brief reviews are presented of selected research

studies in vocational, technical and practical arts education.

70-347 VT
Brandon, George L., ed. **Research Visibility, Comprehensive Planning** *American Vocational Journal*, v44 n8, pp.69-84, November 1969. 16p. (Report) ED 034 060 RIE March 1970 MF-$0.65; HC-$3.29

Bibliographies, Program Planning, Research Reviews (Publications), Vocational Education, Educational Research

Brief reviews are presented of selected research studies in vocational, technical and practical arts education.

70-348 VT
Brandon, George L., ed. **Research Visibility: Development of Professional Personnel for Vocational-Technical Education** *American Vocational Journal*, v45 n5, p.37-52, May 1970. 16p. (Report) ED 039 358 RIE September 1970 MF-$0.65; HC-$3.29

Educational Research, Professional Personnel, Research Reviews (Publications), Staff Improvement, Vocational Education

Current efforts in vocational-technical education to meet the challenges of an expanding role, the impact of federal legislation and an impending teacher shortage are described in 18 reviews.

70-349 VT
Brandon, George L., ed. **Research Visibility: The Disadvantaged and the Handicapped** *American Vocational Journal*, v45 n4, pp.41-56, April 1970. 16p. (Journal Article) ED 038 540 RIE August 1970 MF-$0.65; HC-$3.29

Bibliographies, Disadvantaged Youth, Physically Handicapped, Research Reviews (Publications), Vocational Education

The 15 reviews pertain to the need for and the application of vocational education for the disadvantaged in general, and specifically for disadvantaged adults and youth, and the handicapped. A bibliography provides information on the availability of studies reported in this issue and 36 additional studies.

70-350 VT
Brandon, George L., ed. **Research Visibility, Exemplary Programs and Residential Schools** *American Vocational Journal*, v44 n5, pp.33-48, October 1969. 16p. (Report) ED 033 245 RIE February 1970 MF-$0.65; HC-$3.29

Bibliographies, Educational Innovation, Educational Research, Vocational Education

Brief reviews are presented of selected research studies in vocational, technical and practical arts education.

70-351 VT
Brandon, George L., ed. **Research Visibility, Guidance and New Careers** *American Vocational Journal*, v44 n9, pp.61-76, December 1969. 16p. (Report) ED 034 882 RIE April 1970 MF-$0.65; HC-$3.29

Bibliographies, Educational Research, Occupational Guidance, Research Reviews (Publications), Vocational Education

Presented are brief reviews of selected research studies in vocational, technical and practical arts education.

70-352 VT
Brandon, George L., ed. **Research Visibility, Manpower Research** *American Vocational Journal*, v44 n6, pp.34-48, September 1969. 16p. (Report) ED 032 429 RIE January 1970 MF-$0.65; HC-$3.29

Bibliographies, Educational Research, Manpower Development, Research Reviews (Publications), Vocational Education

Brief reviews are presented of selected research studies in vocational, technical and practical arts education.

70-353 VT
Brandon, George L., ed. **Research Visibility, Report on Vocational Research** *American Vocational Journal*, v44 n3, pp.37-52, March 1970. 16p. (Report) ED 037 576 RIE July 1970 MF-$0.65; HC-$3.29

Bibliographies, Educational Research, Research Reviews (Publications), Vocational Education

Brief reviews are presented of selected research studies in vocational, technical and practical arts education.

70-354 VT
Brandon, George L., ed. **Research Visibility, Vocational Education Curriculum** *American Vocational Journal*, v45 n1, p.45-60, January 1970. 16p. (Report) ED 036 641 RIE June 1970 MF-$0.65; HC-$3.29

Bibliographies, Curriculum, Research Reviews (Publications), Vocational Education

16 research reviews of selected studies in vocational, technical and practical arts education are provided.

70-355 VT
Gorman, Anna M.; Magison, Joel H. **Bibliography of Research on Consumer and Homemaking Education Final Report** June 1970. 69p. (Bibliography) ED 039 336 RIE September 1970 MF-$0.65; HC-$3.29

Bibliographies, Consumer Education, Educational Research, Homemaking Education

Research and related information on consumer and homemaking education is presented, along with additional sections on evaluation, disadvantaged, research methodology, teacher education, vocational education, and wage-earning home economics.

70-356 VT
Grissmman, B. Eugene; Densley, Kenneth G. **Review and Synthesis of Research on Vocational Education in Rural Areas** December 1969. 49p. (State-of-the-art Paper) ED 034 632 RIE April 1970 MF-$0.65; HC-$3.29

Economic Factors, Educational Problems, Rural Areas, Research Reviews (Publications), Vocational Education

This is a joint review written with the ERIC Clearinghouse on Rural Education and Small Schools. Included are a review and synthesis of vocational education in rural areas in two parts; a sociologist's perspective and an educator's perspective. (duplicate to 70-204 RC).

70-357 VT
Householder, Daniel L.; Suess, Alan R. **Review and Synthesis of Research in Industrial Arts Education** *Research Series, Number 42*, October 1969. 69p. (State-of-the-art Paper) ED 034 898 RIE April 1970 MF-$0.65; HC-$3.29

Industrial Arts, Research Reviews (Publications), Synthesis

A review and synthesis of research and related information on industrial arts education, including its equipment, teacher education, administration, and research is presented.

70-358 VT
Larson, Milton E. **Review and Synthesis of Research: Analysis for Curriculum Development in Vocational Education** *Research Series, Number 40*, October 1969. 92p. (State-of-the-art Paper) ED 035 746 RIE May 1970 MF-$0.65; HC-$3.29

Curriculum Development, Job Analysis, Literature Reviews, Vocational Education

A review and synthesis of research and related information relative to curriculum development, including its background and structure, resource materials, sources of content, types of analysis, approaches, and trends is presented.

70-359 VT
Little, Kenneth J. **Review and Synthesis of Research on the Placement and Follow-up of Vocational Education Students** February 1970. 54p. (State-of-the-art Paper) ED 037 543 RIE July 1970 MF-$0.65; HC-$3.29

Follow-up Studies, Job Placement, Research Review (Publications), Vocational Education, Vocational Followup

A review and synthesis of research and related information on certain aspects of the placement and follow-up of vocational education students, including sections on survey, programs, placement information, special groups, benefit-cost, followup, and evaluation is offered.

70-360 VT
McCracken, David **Intensive Training for Job Entry Skills: A Selected Bibliography for Use in Program Development** *Information Series-Analysis Paper Number 1*, November 1969. 15p. (State-of-the-art Paper) ED 034 061 RIE March 1970 MF-$0.65; HC-$3.29

Bibliographies, Job Training, Research Reviews (Publications), Skill Development, Vocational Education [Intensive Programs]

This is a short review, analysis, and bibliography of research and related information relative to planning and implementing exemplary programs, training, and job entry skills for students leaving school.

70-361 VT
McCracken, David **Work Experience For Broadening Occupational Offerings: A Selected Bibliography For Use In Program Development** *Information Series-Analysis Paper Number 2*, November 1969. 14p. (State-of-the-art Paper) ED 034 062 RIE March 1970 MF-$0.65; HC-$3.29

Bibliographies, Cooperative Education, Research Reviews (Publications), Vocational Education, Work Experience Programs

A brief review, analysis, and bibliography of research and related information on cooperative education and work experience programs in vocational and technical education at different levels of preparation is presented. It was developed to assist the planning and implementing of exemplary programs.

70-362 VT
Nelson, Helen Y. **Review and Synthesis of Research on Home Economics Education** April 1970. 67p. (State-of-the-art Paper) ED 038 519 RIE August 1970 MF-$0.65; HC-$3.29

Bibliographies, Educational Research, Home Economics Education, Research Needs, Research Reviews (Publications)

The 102 reports contain information relating to home economics education, including objectives, needs, opportunities, curriculum, programs, materials, methods, students, facilities, teacher education, administration, evaluation, and research.

70-363 VT
Paulter, Albert J.; Schaefer, Carl J. **Review and Synthesis of Research in Trade and Industrial Education. Second Edition** *Research Series, Number 43*, September 1969. 56p. (State-of-the-art Paper) ED 036 638 RIE June 1970 MF-$0.65; HC-$3.29

Bibliographies, Educational Research, Research Reviews (Publications), Synthesis, Trade and Industrial Education

The review provides an overview of research in the following areas: philosophy and objectives, manpower needs, employment opportunities, curriculum development, educational programs, instructional material and devices, learning process, teaching methods, student personnel processes, facilities and equipment, teacher education, administration, supervision and evaluation in trade and industrial education.

70-364 VT
Phillips, Donald S.; Briggs, Lloyd D. **Review And Synthesis of Research In Technical Education. Second Edition** *Research Series, Number 47*, October 1969. 50p. (State-of-the-art Paper) ED 036 639 RIE June 1970 MF-$0.65; HC-$3.29

Bibliographies, Educational Research, Research Reviews (Publications), Synthesis, Technical Education

Research and related information on many aspects of technical education, including needs, programs, curriculum, students, evaluation, administration, teacher education, methods, devices, facilities and research is provided.

70-365 VT
Price, Ray G.; Hopkins, Charles R. **Review and Synthesis of Research in Business and Office Education. Second Edition** April 1970. 120p. (State-of-the-art Paper) ED 038 520 RIE August 1970 MF-$0.65; HC-$6.58

Business Education, Educational Research, Office Occupations Education, Research Reviews (Publications)

The review is limited primarily to those studies with relevance for business and office preparation in senior high schools and 2-year postsecondary schools; however, research relevant to business teacher education is also included.

70-366 VT
Wenrich, Ralph C. **Review and Synthesis of Research on the Administration of Vocational and Technical Education** March 1970. 78p. (State-of-the-art Paper) ED 037 542 RIE July 1970 MF-$0.65; HC-$3.29

Educational Administration, Literature Reviews, Research Reviews (Publications), Technical Education, Vocational Education

A review and synthesis of research and related information on policy-making, organization, program planning, staffing, financing, facility planning, evaluating, public relations, and research on

the administration of vocational and technical education is presented.

71-001 AC
Continuing Education of Women *Current Information Sources, Number 32*, September 1970. 76p. (Annotated Bibliography) ED 042 122 RIE January 1971 MF-$0.65; HC-$3.29
Womens Education, Annotated Bibliographies, Females
The 150 items in this bibliography on women's continuing education begin with descriptions of a newsletter and three bibliographies, followed by documents on sex differences, employment related interests and needs, participation in programs, guidance and counseling, disadvantaged women, and homemaking education.

71-002 AC
Digests of Papers Presented to the Adult Education Research Conference, February 27-28, 1970, Minneapolis July 1970. 53p. (Annotated Bibliography) ED 039 377 RIE October 1970 MF-$0.65; HC-$3.29
Adult Education, Research
27 papers on agricultural extension, adult basic education, programmed instruction, program planning, general education, research problems, motivation, behavior and attitude change, university extension, adult educators, and other areas of concern within adult education were presented at this research conference.

71-003 AC
ERIC Clearinghouse on Adult Education; Publications, 1969-1970 October 1970. 20p. (Annotated Bibliography) ED 042 962 RIE February 1971 MF-$0.65; HC-$3.29
Adult Education, Annotated Bibliographies
Beginning with general information on the scope and subject coverage of the ERIC Clearinghouse on Adult Education (ERIC/AE) and on principal periodicals covering the literature, this annotated bibliography lists 74 literature reviews, research reports, ERIC/AE current and basic information sources, Central ERIC and Government Printing Office publications, and other documents.

71-004 AC
General Information Sources in Adult Education *Handbook of Adult Education, edited by Robert M. Smith, and others*, 1970. 13p. (Book Chapter)
Adult Education, Information Sources, Periodicals, Abstracts, Bibliographies
This chapter lists adult education journals, indexing and abstracting services, bibliographies, literature guides, and research reviews, special information centers and services, and studies and indexing tools.

71-005 AC
Parent, Home and Family Life Education *Current Information Sources, Number 30*, July 1970. 87p. (Annotated Bibliography) ED 039 276 RIE October 1970 MF-$0.65; HC-$3.29
Annotated Bibliographies, Parent Education, Family Life Education, Home Economics Education
This 149 item annotated bibliography on parent, home, and family life education includes descriptions of periodicals and bibliographies and materials on home economics education, training for professionals and nonprofessionals, programs for low income groups, consumer education, and parent education.

71-006 AC
Personnel Development in Adult Education *Current Information Sources, Number 31*, August 1970. 101p. (Annotated Bibliography) ED 041 266 RIE December 1970 MF-$0.65; HC-$4.94
Professional Training, Adult Educators, Annotated Bibliographies
The 192 items in the bibliography are on program planning, educational trends, legislation, and other matters within or relevant to the preparation of adult educators.

71-007 AC
Clyde, Robert W.; Jaberg, Eugene C. **The Use of Mass Media in Religiously Motivated Adult Education: A Review of the Literature** October 1970. 11p. (Literature review) ED 042 072 RIE January 1971 MF-$0.65; HC-$3.29
Adult Education, Mass Media, Religious Education, Discussion Groups
This paper reviews mass media adult education literature from a variety of sources (social scientists, religious educators, experimental public affairs broadcasting projects, and others) relevant to the use of mass media in connection with group programs stimulated by religious organizations or purposes.

71-008 AC
DeCrow, Roger; Logue, Nehume, eds. **Adult Education Dissertation Abstracts: 1963-1967** December 1970. 309p. (Annotated Bibliography) ED 044 537 RIE April 1971 MF-$0.56; HC-$13.16
Adult Education, Doctoral Theses, Annotated Bibliographies, Program Planning
This bibliography contains citations, abstracts, and ordering information for 505 dissertations pertinent to the education or training of adults.

71-009 AC
DeCrow, Roger **Adult Education in the Private Vocational Schools** *Continuing Education for Adults*, n151, pp.1-5, August 1970. 5p. (Journal Article)
Proprietary Schools, Vocational Education, Interagency Cooperation, Adult Education Programs [Belinsky (A Harvey)]
Presented in this article are comments on A. Harvey's Belinsky's book entitled Private Vocational Schools and Their Students. The central problem of coordination for delivery of adult education programs, the suitability of these proprietary school for training needs, and the obstacles to better use of the schools are discussed. The article concludes with descriptive information on proprietary schools.

71-010 AC
DeCrow, Roger **The ERIC System: A Major Source of Educational Television Information** *Television*, v4 n2, pp.116-117, June 1970. 2p. (Journal Article)
Educational Television, Information Sources, Clearinghouse, Publications
Services of the ERIC (Educational Resources Information Center) educational information system center around 2 monthly announcement publications and include the dissemination of actual documents in microfiche and/or hard copy reproduction. 2 ERIC clearinghouse (Educational Media and Technology, and Adult Education) together cover the educational television literature.

71-011 AC
DeCrow, Roger **Information Resources and Services** *Handbook of Adult Education, edited by Robert M. Smith, and others.*, 1970. 14p. (Book Chapter)
Adult Education, Information Services, Publications, Educational Resources
This chapter introduces some of the basic tools of information access, and some of the new services helpful to anyone concerned with adult education, and gives a summary of the nature and volume of adult education publications, and the present state of information services in the field.

71-012 AC
DeCrow, Roger; Grabowski, Stanley M., eds. **Research and Investigation in Adult Education: 1970 Annual Register** 1970. 256p. (Annotated Bibliography) ED 045 866 RIE May 1971 MF-$0.65; HC-$9.87
Adult Education, Research, Annotated Bibliographies
Embracing 730 items on adult education research and investigation (mostly dated 1969 or 1970), this annotated bibliography covers adult learning characteristics, program planning and administration, learning environments, instructional methods, curriculum materials and instructional devices, personnel and staffing, education of specific clientele groups, special program areas, professional and technical continuing education, management and supervisory development, occupational training, labor education, institutional sponsors, and international perspectives.

71-013 AC
DeCrow, Roger; Cartright, Richard **Resources for Adult Education to Reading Goals for the Disadvantaged** 1970. 11p. (Annotated Bibliography) ED 040 233 RIE November 1970 HC-available from Reading Goals for the Disadvantaged, International Reading Association, Seaford, Delaware 19711
Adult Basic Education, Information Sources, Information Networks, Bibliographies
This review of information resources in adult basic education, recommends some actions that an individual can take to uncover local information sources in adult basic education, describes the three main national information systems, suggests other organizational information sources, and lists some publications useful in adult basic education available through the ERIC Document Reproduction Service.

71-014 AC
Everly, Jack C. **The Mass Media in Cooperative Extension: A Review of Recent Literature** March 1971. 13p. (Literature Review) ED 047 236 RIE June 1971 MF-$0.65; HC-$3.29
Mass Media, Rural Extension, Research Reviews (Publications), Information Dissemination [Cooperative Extension Service]
A brief account is given of current evaluative and research activity by Cooperative Extension personnel as they try to assess the role of mass media in environmental education and a growing range of other areas.

71-015 AC
Grabowski, Stanley M., ed. **Adult Learning and Instruction** January 1971. 137p. (Conference Report) ED 045 867 RIE May 1971 MF-$0.65; HC-$6.58
Adult Learning, Educational Strategies, Educational Change, Instructional Design
6 conference papers discuss adult learning, instructional theory and related issues in research and practice of adult education.

71-016 AC
Grabowski, Stanley M. **Human Relations Development Through Films** *Training Film Digest*, v2 n5 and 6, pp.8-9, 1970. 2p. (Journal Article)
Films, Human Relations Programs
A listing of 24 films suitable for use in human relations training is presented.

71-017 AC
Grabowski, Stanley M. **Manpower Training in the Health Fields** *Adult Leadership*, v19 n8, pp.273-274, February 1971. 2p. (Journal Article)
Health Personnel, Bibliographies, Training, Subprofessionals, Professional Continuing Education
This journal article provides an annotated bibliography of documents dealing with the education for the health professions, collected and processed by the ERIC Clearinghouse on Adult Education.

71-018 AC
Grabowski, Stanley M., ed. **Methods and Techniques in Adult Education** *Adult Leadership*, v19 n3, pp.99-100, September 1970. 2p. (Journal Article)
Adult Education, Educational Methods, Training Techniques, Annotated Bibliographies
This 19 item annotated bibliography presents Educational Resources Information Center documents on simulation, audiovisual aids and equipment, group discussion, the case method, and other aspects of instructional and training methodology, with special reference to such fields as management development, military training, literacy, and religious adult education.

71-019 AC
Grabowski, Stanley M. **Residential Adult Education** *Adult Leadership*, v19 n10, p.296, April 1971. 1p. (Journal Article)
Residential Programs, Residential Centers, Adult Education
This journal article lists, with annotations, several useful documents on residential adult education and gives a brief census of residential centers. Information about ordering documents is also given.

71-020 AC
Jacobs, H. Lee, And Others **Education For Aging: A Review of Recent Literature** July 1971. 110p. (Literature Review) ED 038 992 RIE September 1971 MF-$0.65; HC-$6.58
Age, Older Adults, Middle Aged, Educational Needs, Annotated Bibliographies
This literature review covers studies on a wide range of behavior patterns relative to the aging process. While most of the work deals in terms of adult problems and interests, attention is also given to early life experience and attitudes which set the pattern for later life characteristics.

71-021 AC
Marien, Michael; DeCrow, Roger **Breaking the Cycle of Illiteracy: Focus on Adults** *Notes on the Future of Education*, n2 n1, pp.10-12, Fall 1970. 3p. (Journal Article)
Adult Literacy, Educational Policy, Literacy Education, National Programs, Parent Education
A massive national literacy program for both children and adults seems desirable, not only to reach children through their parents, but to provide every opportunity for parents to keep up with the literacy demands of our complex and changing society.

71-022 AC
Matheson, David E. **Correspondence Study: A Summary Review of the Research and Development Literature** March 1971. 107p. (Literature Review) ED 047 163 RIE June 1971 MF-$0.65; HC-$6.58
Correspondence Study, Research
Beginning with a historical review of private correspondence schools, supervised high school level programs, military programs, and activities of university extension personnel, this literature review covers accreditation and licensing problems, characteristics of students, educational methods and course design, patterns of student achievement and completion, and innovations in correspondence methodology.

71-023 AC
Matheson, David E. **Correspondence Study in Multimedia Learning Systems** *Continuing Education for Adults*, n154, pp.1-4, November 1970. 4p. (Journal Article)
Correspondence Study, Multimedia Instruction, Independent Study, Higher Education [Open University]
Correspondence study continues to be serviceable in higher education, especially in programs which mesh correspondence with an array of other independent study methods, such as educational television.

71-024 AC
Matheson, David E. **Professional Continuing Education for Civilian Federal Employees** *Continuing Education for Adults*, n159, pp.1-5, April 1971. 5p. (Journal Article)
Professional Continuing Education, Federal Government, Government Employees, Training, Management Development
A review is presented of several important documents outlining the need for systematic continuing education for civilian federal employees with some recommendations to implement the programs. A 17 item bibliography is included.

71-025 AC
McMahon, Ernest E. **Needs--of People and Their Communities--and the Adult Educator: A Review of the Literature of Need Determination** July 1970. 88p. (Literature Review) ED 038 551 RIE September 1970 MF-$0.65; HC-$3.29
Needs, Adult Education, Community Development, Evaluation Methods
Focusing on community education and development, this literature review analyzes the problem of determining community and individual needs; the issue of relevance to the community; the meaning of need (as opposed to interests or desires); and the use of community studies, learning pools, surveys, and power structure analysis as evaluation tools.

71-026 AC
Nixon, John A.; Anderson, Darrel V. **Television: A Viable Channel for Educating Adults in Culturally Different Poverty Groups--A Literature Review** April 1971. 16p. (Literature Review) ED 048 590 RIE July 1971 MF-$0.65; HC-$3.29
Evaluation, Educational Television, Disadvantaged Groups, Cultural Differences
Recent research on the effectiveness of educational television with adults in culturally different poverty groups suggests that ETV for these groups must be combined with techniques (like viewing groups) using volunteer teachers, and that such planning requires close cooperation between adult educators and media specialists.

71-027 AC
Power, Hilton M. **Mass Media in Public Affairs Adult Education: A Review of the Literature** November 1970. 12p. (Literature Review) ED 042 075 RIE January 1971 MF-$0.65; HC-$3.29
Mass Media, Public Affairs Education, Literature Review
This review examines the major evidence as to the extent and effectiveness of public affairs education provided by, or in conjunction with, the mass media.

71-028 AC
Verner, Coolie; And Others **The Preparation of Adult Educators: A Selected Review of the Literature Produced in North America** September 1970. 89p. (Literature Review) ED 041 180 RIE December 1970 MF-$0.65; HC-$3.29
Adult Educators, Professional Education, Inservice Education, Graduate Study
This literature review on the preparation of professional adult educators attempts to cover the leading areas of discussion and research as well as some of the more interesting conclusions reported.

71-029 AL
Cardenas, Daniel N. **Dominant Spanish Dialects Spoken in the United States** June 1970. 49p. (Monograph) ED 042 137 RIE January 1971 MF-$0.65; HC-$3.29
Contrastive Linguistics, Dialect Studies, Nonstandard Dialects, Spanish
A description is presented of: the major varieties of Spanish in the United States; a contrastive analysis of intonation in terms of pitch, terminal junctures, stress, and rhythm; and certain lexical items and innovations brought about by current bilingualism. A bibliography concludes the study. (duplicate to 70-174 AL).

71-030 AL
Fenn, Henry C. **Articulation in Programs of Chinese Language** *Bulletin of the ERIC Clearinghouse for Linguistics*, n3, pp.1-5, July 1970. 11p. (Paper) ED 042 162 RIE January 1971 MF-$0.65; HC-$3.29
Articulation (Program), Chinese, College Language Programs, Language Instruction, Program Evaluation
To meet the problem of student "nomadism" at home and abroad, there should be certification of all transfers in terms of generally accepted standards of content and proficiency. (Suggested levels of spoken vocabulary for the first 4 years and a modified version of the Service Institute's competence scale are provided.)

71-031 AL
Gage, William **Uncommonly Taught Languages** *Bulletin of the ERIC Clearinghouse for Linguistics*, n17, pp.1-7, September 1970. 19p. (Paper) ED 042 163 RIE January 1971 MF-$0.65; HC-$3.29
Area Studies, Instructional Materials, Language Instruction, Research Needs, Uncommonly Taught Languages
This paper provides an overview of recent developments in the teaching and study of the uncommonly taught languages, and attempts to provide a rationale for a continuing interest in the field.

71-032 AL
Hodge, Carleton T. **Response to W. Gage's Article Uncommonly Taught Languages** *Bulletin of the ERIC Clearinghouse for Linguistics*, n17, pp.7-9, September 1970. 8p. (Paper) ED 042 164 RIE January 1971 MF-$0.65; HC-$3.29
Data Bases, Instructional Materials, Uncommonly Taught Languages
This paper attempts to stress other aspects than those treated by Gage and points out the practical and technical needs of those interested in the field.

71-033 AL
Kloss, Heinz **Laws and Legal Documents Relating to Problems of Bilingual Education in the United States** January 1971. 95p. (Paper) ED 044 703 RIE April 1971 MF-$0.65; HC-$3.29
Bilingual Education, Federal Laws, Language Role, Non English Speaking, State Laws [United States]
This document is intended to provide information about the legal aspects of bilingual education through a general discussion of the problem, as well as through the presentation of laws and other legal documents concerned with the language of education in schools.

71-034 AL
Leibowitz, Arnold H. **Educational Policy and Political Acceptance: The Imposition of English as the Language of Instruction in American Schools** March 1971. 132p. (Report) ED 047 321 RIE June 1971 MF-$0.65; HC-$6.58
Bilingual Education, Educational Policy, English, Minority Groups, Official Languages [Bilingual Education Act]
The purpose of this study is to analyze the reasons behind governmental decisions leading to the "English-only" instruction policy in the public schools and the recent softening of this policy by various state and local governments.

71-035 AL
Oliver, Joseph D. **Social Determinants in Communication Events in a Small Bilingual Community in New Mexico** December 1970. 36p. (Monograph) ED 044 675 RIE April 1971 MF-$0.65; HC-$3.29
Bilingualism, Communication (Thought Transfer), Community Characteristics, Social Factors, Spanish Speaking
The purpose of this report is to present an outline of actual occurrences in communication and their social determinants in the small Spanish-English bilingual community of Los Ojos, New Mexico, with some emphasis on difference in occurrences as related to age.

71-036 AL
Ortego, Philip D. **The Linguistic Imperative in Teaching English to Speakers of Other Languages** May 1970. 45p. (Paper) ED 038 626 RIE September 1970 MF-$0.65; HC-$3.29
Teaching Methods, English (Second Language), Teacher Education
Presenting a general review of some linguistic considerations in the field of TESOL, the author discusses the following topics: lingustic perspectives, methods of teaching English to speakers of other languages, preliminary considerations, philosophic and pragmatic considerations, cross-cultural correlations of linguistic behavior--tagmatic differentials, the TESOL teacher, and a linguistic model. A bibliography is appended. (duplicate to 70-179 AL).

71-037 AL
Pulliam, Robert **The Mechanical Recognition of Speech: Prospects for Use in the Teaching of Languages** *Bulletin of the ERIC Clearinghouse for Linguistics*, n18, pp.1-7, November 1970. 21p. (Paper) ED 043 866 RIE March 1971 MF-$0.65; HC-$3.29
Auditory Discrimination, Computer Assisted Instruction, Educational Technology, Language Instruction, Pronunciation Instruction [Automatic Speech Recognition]
It is stressed that the automatic speech recognition systems, although highly developed, do not recognize speech in the same sense as the human being does, and that they can not deal with a continuous random stream of speech but rather with segments of the length of a short sentence, selected from among up to a hundred possible choices.

71-038 AL
Thompson, Richard T. **Uncommonly Taught Languages: Another Perspective** *Bulletin of the ERIC Clearinghouse for Linguistics*, n19, January 1971. 5p. (Paper) ED 044 707 RIE April 1971 MF-$0.65; HC-$3.29
Data Base, Government Role, Language and Area Centers, Language Programs, Uncommonly Taught Languages
The author stresses that a great deal has been achieved since the passing of the National Defense Act in 1968 and that "most of that portion financed by the Office of Education has come about more by design than by accident, and the trend of recent years has clearly been to target in ever more sharply on priority needs in the language field."

71-039 AL
Weber, Rose-Marie **Linguistics and Reading** May 1970. 32p. (Paper) ED 043 852 RIE March 1971 MF-$0.65; HC-$3.29
Linguistics, Reading, Reading Development, Reading Instruction
Surveyed in this paper are the principles and findings from the field of linguistics that have been brought to bear on questions dealing with learning to read, the analysis of the reading process, and the sources of reading failure.

71-040 CG
Guiding Students into Vocational Curricula. A Bibliography June 1970. 10p. (Annotated Bibliography) ED 039 374 RIE October 1970 MF-$0.65; HC-$3.29
Annotated Bibliographies, Curriculum Guidance, Occupational Guidance, Students, Vocational Education
The materials included in this bibliography describe factors related to student success and satisfaction with specific vocational programs and guidance procedures for helping the student select vocational programs.

71-041 CG
Matching Students and Careers. A Bibliography June 1970. 12p. (Annotated Bibliography) ED 039 375 RIE October 1970 MF-$0.65; HC-$3.29
Annotated Bibliographies, Career Choice, Careers, Students
Materials related to such topics as: (1) worker characteristics and factors influencing success in jobs, (2) student characteristics and attitudes as predictors of job success, and (3) techniques of communicating information to students for career choice are contained in this annotated bibliography.

71-042 CG
Retaining Students in Training. A Bibliography June 1970. 9p. (Annotated Bibliography) ED 039 373 RIE October 1970 MF-$0.65; HC-$3.29
Annotated Bibliographies, Programs, School Holding Power, Training, Vocational Education
Materials related to the problem of retaining students in vocational education programs are presented in this annotated bibliography. Such factors as student attitudes, abilities, motivation are considered as possible factors related to retention.

71-043 CG
Butts, Thomas A. **Student Services in Higher Education. Information Analysis Report** December 1970. 71p. (Report) ED 048 620 RIE July 1971 MF-$0.65; HC-$3.29
Literature Reviews, Educational Research, Student Behavior, Student Personnel Services, Ancillary Services
Significant documents related to student services in higher education for the period January through July 1970 are reviewed, major developments discussed, and implications and applications for practices drawn. The paper is divided into 4 sections: (1) student behavior, (2) student services, (3) personnel, and (4) support services.

71-044 CG
Harrison, Don K. **Special Populations: Culturally Different and Others. Information Analysis Report.** December 1970. 55p. (Report) ED 048 621 RIE July 1971 MF-$0.65; HC-$3.29
Educational Research, Culturally Disadvantaged, Ethnic Groups, Dilinquents, Dropouts, Minority Groups
A brief analysis of the ERIC/CAPS documents referring to the disadvantaged, handicapped, ethnic, and minority groups is presented. Document input during the time period January through June 1970 is analyzed in terms of significant trends and single studies.

71-045 CG
Jaslow, Carol K. **The Child Preschool Through Grade 12. Information Analysis Report** December 1970. 100p. (Report) ED 048 623 RIE July 1971 MF-$0.65; HC-$3.29
Research Reviews (Publications), Literature Reviews, Educational Research, Behavior, Student School Relationship
The concerns of children from the preschool level through grade 12 are the focus of this report. This in-depth analysis of 415 documents examines patterns of behavior, both personal and academic, and ways in which school personnel and parents can improve that behavior.

71-046 CG
Kersch, Susan F. **Counselors and Personnel Workers: Behavior, Techniques, and Education. Information Analysis Report** December 1970. 70p. (Report) ED 048 622 RIE July 1971 MF-$0.65; HC-$3.29
Research Reviews (Publications), Counselors, Counselor Role, Counselor Characteristics, Counselor Training
The 415 documents analyzed focus on counselors and personnel workers and their training, role and behavior. Document input during the time period of January through July 1970 is analyzed in terms of significant trends and significant studies.

71-047 CG
Mattson, Judith, ed. **The Counselor and the Current Scene** *CAPS Capsule*, v4 n2, Winter 1971. 30p. (Serial) ED 047 352 RIE June 1971 MF-$0.65; HC-$3.29
Aggression, Parent Counseling, College Admission, Disadvantaged Groups, Inservice Programs
5 areas are surveyed with direct implications for "The Counselor and the Current Scene." They are: (1) agression; (2) parent counseling; (3) college admissions for the culturally distinct; (4) role moderling with the disadvantaged; and (5) inservices activities.

71-048 CG
Mattson, Judith, ed. **The Counselor and the Feminine Protest** *CAPS Capsule*, v4 n3, Spring 1971. 28p. (Serial) ED 049 515 RIE August 1971 MF-$0.65; HC-$3.29
Females, Feminism, Counselor Role, Counseling Effectiveness
The basic conflicts in the current roles of women as they relate to the individual female's level of self-esteem are discussed in this issue of CAPS Capsule. Changes in counselor roles and techniques are suggested in order that counselors may respond more adequately to the evolving role of women in American society.

71-049 CG
Mattson, Judith, ed. **Integrated Personnel Services Index. Volume 2 Number 2** 1970. 328p. (Abstract Journal) ED 042 076 RIE January 1971 MF-$0.65; HC-$13.16
Annotated Bibliographies, Literature Reviews, Pupil Personnel Services, Student Personnel Services
Over 1500 entries are drawn from ERIC documents, dissertations, journals and books in this comprehensive index to the literature of the personnel services field. This issue covers materials from July through December 1969.

71-050 CG
Mattson, Judith, ed. **Integrated Personnel Services Index. Volume 3 Number 1** January 1971. 241p. (Abstract Journal) ED 046 062 RIE May 1971 MF-$0.65; HC-$9.87
Abstracts, Indexes (Locaters), Annotated Bibliographies, Literature Reviews, Pupil Personnel Workers, Student Personnel Work
The Integrated Personnel Index is a semi-annual index which announces and organizes selected material from all sources relevant to counseling and personnel work. Included are 1439 entries drawn from ERIC documents, dissertations, journals and books. This issue covers materials from January through June 1970.

71-051 CG
Mattson, Judith, ed. **Integrated Personnel Services Index. Volume 3 Number 2** May 1971. 304p. (Abstract Journal) ED 050 429 RIE September 1971 MF-$0.65; HC-$13.16
Annotated Bibliographies, Literature Reviews, Pupil Personnel Services, Student Personnel Services
Over 1500 entries are drawn from ERIC documents, dissertations, journals and books in this comprehensive index to the literature of the personnel services field. This issue covers materials from July through December 1970.

71-052 CG
Mattson, Judith, ed. ***A Look to the Future*** *CAPS Capsule*, v4 n1, Fall 1970. 30p. (Serial) ED 044 764 RIE April 1971 MF-$0.65; HC-$3.29
Bibliographies, Counselor Role, Counselor Training, Newsletter, Professional Associations
The main article is based on an interview with the presidents-elect of 3 national counselor organizations. They discuss the role of the school counselor and counselor-educator in the future and suggest a variety of innovative approaches.

71-053 CG
Mattson, Judith, ed. **Peer Counseling** *CAPS Capsule*, v3 n3, Spring 1970. 28p. (Serial) ED 041 178 RIE December 1970 MF-$0.65; HC-$3.29
College Programs, Counseling Programs, High Schools, Innovation, Peer Relationship
The two main articles and a bibliography feature the area of peer counseling in this issue of CAPS Capsule. 2 programs are described: at the college level, and in the high school setting.

71-054 CG
Mattson, Judith, ed. **RICH; Register to Improve Communicative Habits** September 1970. 164 p. (Directory) ED 042 067 RIE January 1971 MF-$0.65; HC-$6.58
Directories, Indexes (Locaters), Interests, Research Projects
The volume contains 2 sections, the Directory and the Indexes, and is designed to improve the flow of information among personnel workers and to open avenues of communication among those of similar interest.

71-055 CG
Miller, Juliet V. **Information Retrieval Systems in Guidance** *Personnel and Guidance Journal*, v49n3, pp. 212-217, November 1970. 7p. (Journal Article)
Information Systems, Information Retrieval, Information Dissemination, Search Strategies
This article describes a number of currently operating systems which have direct relevance for guidance and counseling, and stresses that in developing and using these systems, individual counselors, large guidance-oriented units, and guidance and counseling professional associations all have a vital role to play.

71-056 CG
Pringle, Marlene B. **General Populations, The Aged, and Women. Information Analysis Report** December 1970. 58p. (Report) ED 048 624 RIE July 1971 MF-$0.65; HC-$3.29
Research Reviews (Publications), Literature Reviews, Educational Research, Females, Older Adults
A brief analysis of ERIC/CAPS documents referring to the aged, general populations and women. Document input during the time period January through June 1970 is analyzed in terms of significant trends and single studies.

71-057 CG
Sloan, Nancy E. **Programs on Drug Use and Abuse** *Personnel Services Review. Series 5. Contemporary Issues in Student Personnel Work*, November 1970. 16p. (Literature Review) ED 044 762 RIE April 1971 MF-$0.65; HC-$3.29
Bibliographies, Counseling Programs, Drug Abuse, Program Development, Student Personnel Work
This is one of a series intended for use by counseling practitioners to aid in the development of programs and attitudes on drug abuse through exploration of: (1) models of practice; (2) generalizations; (3) action possibilities; and (4) methods of implementation.

71-058 CG
Sloan, Nancy E. **Support Personnel in Guidance Programs** *Personnel Services Review Series 3. Human Resources in the Guidance Programs.*, November 1970. 14p. (Literature Review) ED 044 763 RIE April 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Guidance Programs, Human Resources, Pupil Personnel Workers, Student Personnel Workers
This is one of a series which focuses on the use of human resources in guidance programs. Intended for use by school personnel through the exploration of: (1) models of practice; (2) generalizations; (3) action possibilities; and (4) suggestions for implementation.

71-059 CG
Walz, Garry R.; And Others **Proceedings of ERIC/CAPS at KPGA; Focus on Youth--Implications for Guidance and Counseling.** June 1971. 32p. (Conference Report) ED 051 540 RIE October 1971 MF-$0.65; HC-$3.29
Change Agents, Counseling, Counselor Role, Role Perception, Youth
An examination of the youth culture is presented, along with implications for counselors working in college or secondary schools. The ERIC system is described and emphasis is placed on how school and college counselors can use the system to help them counsel more effectively.

71-060 CG
Walz, Garry R.; And Others **Proceedings of ERIC/CAPS at WACES; A Futuristic Look at Guidance and Counselor Education** June 1971. 23p. (Conference Report) ED 051 541 RIE October 1971 MF-$0.65; HC-$3.29
Counselor Role, Counselor Training, Innovation [Western Assn for Counselor Education and Supervision]
Conclusions reached in the WACES study on the adoption of innovations are presented. 25 generalizations about the future are presented, along with the implications these changes in the structure of society will have for the counselor-educator. Counselors' roles and techniques for the future are suggested and discussed.

71-061 CG
Walz, Garry R. **Technology in Guidance: A Conceptual Overview** *Personnel and Guidance Journal*, v49 n3, pp.175-184, November 1970. 4p. (Journal Article)
Guidance Objectives Counseling Goals, Computers, Technology, Information Utilization
The appropriate use of technology in guidance is not just one of designing machines but rather of discovering how to use technology to realize counselors' personal and societal goals. The future of guidance could well depend on the capacity of the counseling profession to utilize technology effectively.

71-062 EA
Alternative Organizational Forms. Analysis of Literature and Selected Bibliography *Analysis and Bibliography Series, Number 2*, September 1970. 23p. (Bibliography) ED 043 111 RIE February 1971 MF-$0.65; HC-$3.29
Bibliographies, Instructional Innovation, Flexible Scheduling, Extended School Year, Middle Schools
A review of literature about attempted modification of traditional organizational features in educational systems involves instructional approaches, time-scheduling alterations, and new forms. A 156-item bibliography is included.

71-063 EA
Citizen Involvement in the Control of Schools *ERIC Abstracts: A Collection of ERIC Document Resumes. ERIC Abstracts Series, Number 13*, November 1970. 28p. (Bibliography) ED 044 832 RIE April 1971 MF-$0.65; HC-$3.29
Abstracts, Citizen Participation, Decentralization, School Community Relationship, Parent School Relationship
Resumes of 41 ERIC documents that were announced in Research in Education through November 1970 are listed. A subject index is cross-referenced with the document listing.

71-064 EA
Developing Vocational Education Programs In the Public Schools *ERIC Abstracts: A Collection of ERIC Document Resumes. ERIC Abstracts Series, Number 17*, March 1971. 43p. (Bibliography) ED 048 664 RIE July 1971 MF-$0.65; HC-$3.29
Abstracts, Cooperative Education, Distributive Education, Vocational Education, Work Experience Programs
Resumes of 65 ERIC documents that were announced in Research in Education through February 1971 are listed. A subject index is cross-referenced with the document listing.

71-065 EA
Differentiated Staffing *ERIC Abstracts: A Collection of ERIC Document Resumes. ERIC Abstracts Series, Number 19*, April 1971. 34p. (Bibliography) ED 048 673 RIE July 1971 MF-$0.65; HC-$3.29
Abstracts, Differentiated Staffs, Paraprofessional School Personnel, Teacher Aides, Staff Utilization
Resumes of 46 ERIC documents that were announced in Research in Education through March 1971 are listed. A subject index is cross-referenced with the document listing.

71-066 EA
The Drug Problem and the Schools *ERIC Abstracts: A Collection of ERIC Document Resumes. ERIC Abstracts Series, Number 16*, March 1971. 24p. (Bibliography) ED 047 430 RIE June 1971 MF-$0.65; HC-$3.29
Drug Abuse, Abstracts, Drug Addiction, Bibliographies, Youth Problems
Resumes of 36 ERIC documents that were announced in Research in Education through December 1970 are listed. A subject index is cross-referenced with the document listing.

71-067 EA
Educational and Social Demands on the Schools. Analysis of Literature and Selected Bibliography *Analysis and Bibliography Series, Number 1*, September 1970. 17p. (Bibliography) ED 043 110 RIE February 1971 MF-$0.65; HC-$3.29
Bibliographies, Educational Demand, Community Control, Educational Needs, Public Opinion, Decision Making
An analysis of literature dealing with the expectations and demands of the public for their schools pays particular attention to the research assessing variations in such expectations and demands. A 65-item bibliography is included.

71-068 EA
Educational Assessment *ERIC Abstracts: A Collection of ERIC Document Resumes. ERIC Abstracts Series, Number 9*, September 1970. 31p. (Bibliographies) ED 044 770 RIE April 1971 MF-$0.65; HC-$3.29
Abstracts, Evaluation Criteria, Evaluation Methods, Evaluation Techniques, Program Evaluation, Educational Research
Resumes of 48 ERIC documents that were announced in Research in Education through August 1970 are listed. A subject index is cross-referenced with the document listing.

71-069 EA
Educational Planning *ERIC Abstracts: A Collection of ERIC Document Resumes. ERIC Abstracts Series, Number 14, January* 1971. 32p. (Bibliography) ED 046 091 RIE May 1971 MF-$0.65; HC-$3.29
Abstracts, Critical Path Method, Educational Planning, Operations Research, Program Budgeting
Resumes of 51 ERIC documents that were announced in Research in Education through December 1970 are listed. A subject index is cross-referenced with the document listing.

71-070 EA
Evaluating Teacher Effectiveness *ERIC Abstracts: A Collection of ERIC Document Resumes. ERIC Abstracts Series, Number 20*, April 1971. 28p. (Bibliography) ED 055 311 RIE February 1972 MF-$0.65; HC-$3.29
Abstracts, Effective Teaching, Teacher Evaluation, Teacher Rating
Resumes of 35 ERIC documents that were announced in Research in Education through March 1971 are listed. A subject index is cross-referenced with the document listing.

71-071 EA
Inservice Education for Staff and Administrators *ERIC Abstracts: A Collection of ERIC Document Resumes. ERIC Abstracts Series Number 11*, October 1970. 42p. (Bibliography) ED 044 830 RIE April 1971 MF-$0.65; HC-$3.29
Abstracts, Inservice Courses, Inservice Education, Inservice Programs, Inservice Teacher Education
Resumes of 64 ERIC documents that were announced in Research in Education through October 1970 are listed. A subject index is cross-referenced with the document listing.

71-072 EA
Introduction Plans (Marketing Plans). Analysis of Literature and Selected Bibliography *Analysis and Bibliography Series, Number 11*, September 1970. 19p. (Bibliography) ED 043 120 RIE February 1971 MF-$0.65; HC-$3.29
Bibliographies, Instructional Innovation, Adoption (Ideas), Diffusion, Change Agents
The review focuses on evidence of means of disseminating new instructional programs, and evidence of how to foster local adoption of new instructional programs. A 77-item bibliography is included.

71-073 EA
Linking Schools and State Education Departments to Research and Development Agencies. Analysis of Literature and Selected Bibliography. *Analysis and Bibliography Series, Number 9*, September 1970. 14p. (Bibliography) ED 043 118 RIE February 1971 MF-$0.65; HC-$3.29
Bibliographies, State Departments of Education, Research and Development Centers, Regional Laboratories, Research Coordinating Units
The review analyzes evidence of existing and developing linkages of research and development agencies to state and local units, adequacy and unmet needs for such linkages, and possible alternatives for more effective and efficient linkages. A 43-item bibliography is included.

71-074 EA
Linking Schools to State Education Departments. Analysis of Literature and Selected Bibliography *Analysis and Bibliography Series, Number 8*, September 1970. 19p. (Bibliography) ED 043 117 RIE February 1971 MF-$0.65; HC-$3.29
Bibliographies, State Departments of Education, State School District Relationship, Intermediate Administrative Units, Educational Innovation
This analysis focuses on current patterns of linkages of local districts to state education departments, evidence of effectiveness and costbenefits of such linkages, and proposed, developing, or potential types of state-local arrangements. An 85-item bibliography is included.

71-075 EA
Management Information Systems. Analysis of Literature and Selected Bibliography *Analysis and Bibliography Series, Number 4*, September 1970. 14p. (Bibliography) ED 043 113 RIE February 1971 MF-$0.65; HC-$3.29
Bibliographies, Management Information Systems, Management Systems, Information Systems, Administrator Role
An analysis of literature on applications of management information system tools to educational management outlines activities taking place on 3 levels of management--operational control, management control, and strategic planning. The bibliography includes 47 items.

71-076 EA
Models for Planning. Analysis of Literature and Selected Bibliography *Analysis and Bibliography Series, Number 5*, September 1970. 17p. (Bibliography) ED 043 114 RIE February 1971 MF-$0.65; HC-$3.29
Educational Planning, Models, Bibliographies, Systems Approach, Program Planning
This review analyzes current research trends in the application of planning models to broaden educational systems, including systems approach, simulation, operational gaming, linear programming, Markov chain analysis, dynamic programming, and queuing techniques. A 77-item bibliography is included.

71-077 EA
Organizational Renewal: Change and the School Administrator *ERIC Abstracts: A Collection of ERIC Document Resumes. ERIC Abstracts Series, Number 18*, March 1971. 31p. (Bibliography) ED 048 665 RIE July 1971 MF-$0.65; HC-$3.29
Abstracts, Administrative Organization, Organizational Change, Organizational Climate
Resumes of 44 ERIC documents that were announced in Research in Education through February 1971 are listed. A subject index is cross-referenced with the document listing.

71-078 EA
Performance Objectives *ERIC Abstracts: A Collection of ERIC Document Resumes. ERIC Abstracts Series, Number 12,* November 1970. 35p. (Bibliography) ED 044 831 RIE April 1971 MF-$0.65; HC-$3.29

Educational Objectives, Evaluation, Performance Criteria, Performance Factors, Abstracts

Resumes of 55 ERIC documents that were announced in Research in Education through October 1970 are listed. A subject index is cross-referenced with the document listing.

71-079 EA
The Politics and Economics of School Finance *ERIC Abstracts: A Collection of ERIC Document Resumes. ERIC Abstracts Series, Number 15,* March 1971. 26p. (Bibliography) ED 047 429 RIE June 1971 MF-$0.65; HC-$3.29

Abstracts, Economics, Educational Finance, Financial Support, Political Influences

Resumes of 35 ERIC documents that were announced in Research in Education through December 1970 are listed. A subject index is cross-referenced with the document listing.

71-080 EA
Procedures for Managing Innovations. Analysis of Literature and Selected Bibliography *Analysis and Bibliography Series, Number 7,* September 1970. 18p. (Bibliography) ED 043 116 RIE February 1971 MF-$0.65; HC-$3.29

Bibliographies, Educational Innovation, Adoption (Ideas), Diffusion, Change Agents

The review analyzes current evidence on how local schools identify, judge, install, evaluate, and maintain innovations, discusses facilitators and inhibitors of innovation in schools and assesses unmet needs in assisting schools in the adoption and installation of innovations. A 78-item bibliography is included.

71-081 EA
The School Principalship: Crisis in Middle Management *ERIC Abstracts: A Collection of ERIC Document Resumes. ERIC Abstracts Series Number, 10,* September 1970. 47p. (Bibliography) ED 044 771 RIE April 1971 MF-$0.65; HC-$3.29

Abstracts, Administrative Role, Principals, School Administration, Teacher Administrator Relationship, Educational Administration

Resumes of 75 ERIC documents that were announced in Research in Education through August 1970 are listed. A subject index is cross-referenced with the document listing.

71-082 EA
Alkin, Marvin C.; Brown, James E. **Systems Approaches to Educational Planning** *State-of-the-Knowledge Series, Number 4, Part 4 of Social And Technological Change: Implications for Education,* December 1970. 54p. (State-of-the-Art Review) ED 049 563 RIE August 1971 (The complete document, Parts 1-5, is available as ED 044 833 RIE April 1971. See 71-094.)

Operations Research, Educational Planning, Systems Approach, Program Budgeting, Program Planning

Part 4 discusses applications of systems approaches to educational planning. The authors review various systems planning techniques: operations research, planning-programming-budgeting systems, systems analysis, simulations, operational gaming, Delphi technique, program evaluation review technique, and critical path method.

71-083 EA
Evans, John A. **Educational Management Information Systems: Progress and Prospectives** *State-of-the-Knowledge Series, Number 5, Part 5 of Social and Technological Change: Implications for Education,* December 1970. 93p. (State-of-the-Art Review) ED 049 564 RIE August 1971 (The Complete document, Parts 1-5, is available as ED 044 833 RIE April 1971. See 71-094.)

Management Information Systems, Management Systems, Information Systems, Computer Science, Educational Planning

The final paper defines key terms and concepts of computer-based management information systems. The author reviews landmark developments in the evolution of information technology and summarized likely future developments.

71-084 EA
Farquhar, Robin H. **The Humanities in Preparing Educational Administrators** *State-of-the-Knowledge Series, Number 7,* November 1970. 65p. (State-of-the-Art Review) ED 044 765 RIE April 1971 MF-$0.65; HC-$3.29

Administrative Personnel, Humanities, Literature Reviews, Professional Training, Values

An analysis of the literature dealing with the use of the humanities in preparing educational administrators relates the knowledge "in print" to that "in practice," gathering information on the experiences of several universities in implementing humanities programs, and describing 4 of the existing programs.

71-085 EA
Guddy, Dale **Rights and Freedoms of Public School Students: Directions From the 1960's** *State-of-the-Knowledge Series, Number 9, NOLPE Monograph Series, Number 2,* April 1971. 67p. (State-of-the-Art Review) ED 048 666 RIE July 1971 MC-$0.65; HC-$3.29

Activism, Court Cases, Freedom of Speech, School Law, Student Rights

The paper investigates the literature and judicial decisions on the student right movement, freedom on expression, freedom of religion, freedom from unauthorized searches, and the right to due process.

71-086 EA
Hall, John S. **Models for Rational Decision Making. Analysis of Literature and Selected Bibliography** *Analysis and Bibliography Series, Number 6,* September 1970. 15p. (Bibliography) ED 043 115 RIE February 19[illegible] MF-$0.65; HC-$3.29

Bibliographies, Models, Decision Making

The analysis focuses on current or developing decision-making models and strategies in education and evidence of their effectiveness, as well as existing or possible alternative models of authority systems and decision processes in schools. A 54-item bibliography is included.

71-087 EA
Harman, Willis W. **The Nature of Our Changing Society: Implications for Schools** *State-of-the-Knowledge Series, Number 1, Part 1 of Social and Technological Change: Implications for Education,* December 1970. 60p. (State-of-the-Art Review) ED 049 560 RIE August 1971 The complete document, Parts 1-5, is available as ED 044 833 RIE April 1971. See 71-094.

Beliefs, Educational Objectives, Social Change, Technological Advancement, Values

This paper presents a broad overview of our changing society and the implications for the future of education. Providing a conceptual framework for understanding the direction and nature of plausible "alternative futures" for society, the author examines the belief and value systems supporting two of these alternatives--the "second-phase" industrial society and the "person-centered" society.

71-088 EA
Jackson, Kathleen G. **The Politics of School-Community Relations** *Research Analysis Series, Number 2,* 32p. (Literature Review) ED 048 625 RIE July 1971 MF-$0.65; HC-$3.29

Literature Reviews, Political influences, Political Power, School Community Relationship, Socioeconomic Influences

In a general review of recent literature dealing with political aspects of relations between school and community, this paper discusses how school board members, superintendents, community influentials, citizens, and community settings interact politically to affect educational issues.

71-089 EA
Kaufman, Roger A. **System Approaches to Education: Discussion and Attempted Integration** *State-of-the-Knowledge Series, Number 3, Part 3 of Social and Technological Change: Implications for Education,* December 1970. 44p. (State-of-the-Art Review) ED 049 562 RIE August 1971 The complete document, Parts 1-5, is available as ED 044 833 RIE April 1971. See 71-094.

Educational Objectives, Management Systems, Models, Systems Approach, Technological Advancement

The third paper defines a system approach as the application of formal problem-solving tools and techniques for effectively and efficiently achieving a desired outcome based on documented needs. The author proposes a 6-step model integrating a number of techniques for the improvement of educational outcomes.

71-090 EA
Nolte, M. Chester **Status and Scope of Collective Bargaining in Public Education** *State-of-the-Knowledge Series, Number 6,* October 1970. 62p. (State-of-the-Art Review) ED 043 100 RIE February 1970 MF-$0.65; HC-$3.29

Collective Bargaining, Grievance Procedures, Labor Legislation, Personnel Policy, Teacher Administration Relationship

Tracing the history of collective bargaining in education, the author compares the traditional approach to school personnel administration with the collective bargaining approach, analyzes state statutes on collective bargaining, discusses grievance procedures, and offers conclusions and predictions for the development of school personnel administration.

71-091 EA
Pfeg, Robert E. **Suspension and Expulsion of Public School Students** *State-of-the-Knowledge Series, Number 10; NOLPE Monograph Series, Number 3,* April 1971.. 49p. (State-of-the-Art Review) ED 048 672 RIE July 1971 MF-$0.65; HC-$3.29

Court Cases, Discipline Policy, Expulsion, Suspension, Student Rights

The paper focuses on 2 areas regarding suspension and expulsion of public school students: the authority of school boards to suspend or expel students, and the procedural requirements necessary for disciplinary proceedings

71-092 EA
Pisle, Philip K. **New Programs For Training School Administrators. Analysis of Literature and Selected Bibliography** *Analysis and Bibliography Series, Number 10,* September 1970. 18p. (Bibliography) ED 043 119 RIE February 1971 MF-$0.65; HC-$3.29

Bibliographies, Administrative Personnel, Professional Training, Inservice Education, Educational Programs

This analysis reviews the effectiveness of existing alternative approaches to training administrators, emerging training programs, and leads for design of new training programs, materials, and experiences. A 69-item bibliography is included.

71-093 EA
Pisle, Philip K. **New Sets of Jobs for School Personnel. Analysis of Literature and Selected Bibliography** *Analysis and Bibliography Series, Number 5,* September 1970. 18p. (Bibliography) ED 043 112 RIE February 1971

Bibliographies, Differentiated Staffs, Paraprofessional School Personnel, Staff Utilization, School Personnel

An analysis of the trend toward differentiation of elementary and secondary school instructional staffs to involve teacher aides, technical assistants, clerical assistants, and staff specialists in addition to professional teachers redefines professional and nonprofessional roles. A 96-item bibliography is included.

71-094 EA
Pisle, Philip K.; And Others, eds. **Social and Technological Change. Implications for Education** 1970. 341p. (Conference Report) ED 044 833 RIE April 1971 MF-$0.65; HC-$13.16(Also available for Publications Department, Center for the Advanced Study of Educational Administration, Hendricks Hall, University of Oregon, Eugene, Oregon 97403, $.75)

Conference Reports, Prediction, Social Change, Systems Approach, Educational Planning, Teacher Militancy, Management Systems, Educational Administration

The 5 Conference papers are: (1) "The Nature of Our Changing Society: Implications for Schools." (2) "Teacher Militancy: Implications for the Schools. (3) "System Approaches to Education: Discussion and Attempted Integration." (4) "System Approaches to Educational Planning." and (5) "Educational Management Information Systems: Progress and Prospectives." (For the individual papers, please see 71-087, 71-097, 71-089, 71-082, 71-083)

71-095 EA
Reutter, E. Edmond, Jr. **Legal Aspects of Control of Student Activities by Public School Officials** *State-of-the-Knowledge Series, Number 8. NOLPE Monograph Series, Number 1.*, December 1970. 60p. (State-of-the-Art Review) ED 044 829 RIE April 1971 MF-$0.65; HC-$3.29
Activism, Student Rights, Court Litigation, Freedom of Speech, School Law
This paper is the first in a series of 5 monographs on the general topic of student control and student rights in the public schools.The author reviews relevant court decisions in the areas of rights of parents and students, rules of conduct, dress and appearance, secret societies, married students and mothers, expression of opinion, and publications.

71-096 EA
Ross, Larry L. **Taxation in Public Education** *Analysis and Bibliography Series, Number 12*, March 1971. 17p. (Bibliography) ED 049 516 RIE August 1971 MF-$0.65; HC-$3.29
Equal Education, Bibliographies, Financial Problems, School Support, School Taxes, Fiscal Capacity
Intended for both researchers and practitioners, this analysis and bibliography lists approximately 100 publications, including studies on property taxes and school finance, area studies, statistical reports and analytical studies, urban and suburban school finance reports, and guidelines and alternative proposals for educational taxation.

71-097 EA
Williams, Richard C. **Teacher Militancy: Implications for the Schools** *State-of-the-Knowledge Series, Number 2. Part 2 of Social and Technological Change: Implications for Education*, December 1970. 48p. (State-of-the-Art Review) ED 049 561 RIE August 1971 The complete document, Parts 1-5, is available as ED 044 833 RIE April 1971. See 71-094
Collective Negotiation, Decision Making, Social Change, Teacher Militancy, Teacher Participation
In Part 2, the author analyzes the internal and external conditions contributing to the rise of teacher militancy in the public schools and describes three alternative models for increasing teacher participation in school decisions.

71-098 EC
Cognitive and Affective Characteristics of Exceptional Children. Papers Presented at the Annual International Convention of the Council for Exceptional Children (48th, Chicago, Illinois, April 19-25, 1970) 60p. (Convention Papers) ED 039 379 RIE October 1970 MF-$0.65; HC-$3.29
Cognitive Development, Child Development, Exceptional Child Education, Intellectual Development, Mentally Handicapped
The Language Acquisition Device is related to reading and intellectual development in the first of 5 papers on cognitive and affective characteristics of exceptional children. Also considered are the implications of research for the education of the trainable mentally handicapped and the development of a positive self concept in the retarded.

71-099 EC
Early Childhood. Papers Presented at the Annual International Convention of the Council for Exceptional Children (48th, Chicago, Illinois, April 19-25, 1970) 123p. (Convention Papers) ED 039 385 RIE October 1970 MF-$0.65; HC-$6.58
Early Childhood, Exceptional Child Education, Handicapped Children
Discussions are concerned with the effectiveness of teaching selected reading skills to children 2 to 4 years by television, educational materials as an aid in evaluation of preschool multihandicapped children, and the use of instructional materials with multihandicapped preschool children. Additional papers present a progress report of a project in early identification and remediation of learning problems in elementary school children attempting to increase classroom success, and a panel of research findings with programs for preschool children and parents.

71-100 EC
Exceptional Children Conference Papers: Administrative Procedures and Program Organization. Papers Presented at the Northwest Regional Conference (Vancouver, British Columbia. October 21-24, 1970) 134p. (Convention Papers) ED 047 447 RIE June 1971 MF-$0.65; HC-$6.58
Exceptional Child Education, Administrative Organization, Program Development, Conference Reports
The 9 papers include an introduction to interdistrict cooperatives; special education and government; problems in rural areas; work experience programs for the educable mentally handicapped; a community work study endeavor; programs for the multiply handicapped and a multidisciplinary approach for the treatment of multiply handicapped children; and a description of a work-oriented school for educable mentally handicapped.

71-101 EC
Exceptional Children Conference Papers: Adoption of Technology and Program Development. Papers Presented at the Special Conference on Instructional Technology (San Antonio, Texas. December 1-4, 1970) 56p. (Convention Papers) ED 047 440 RIE June 1971 MF-$0.65; HC-$3.29
Exceptional Child Education, Instructional Technology, Conference Reports, Program Development
The 4 papers cover the issues of adopting technology in local schools; adoption of instructional technology, as part of curriculum development in mental retardation, and as partial fulfillment of community needs; and media and curriculum research and its implications for improved program development.

71-102 EC
Exceptional Children Conference Papers: Communication, Production, and Dissemination of Instructional Technology. Papers Presented at the Special Conference on Instructional Technology (San Antonio, Texas, December 1-4, 1970) 43p. (Convention Papers) ED 047 443 RIE June 1971 MF-$0.65; HC-$3.29
Exceptional Child Education, Instructional Technology, Conference Reports, Information Dissemination, Communication (Thought Transfer)
The 4 papers focus on such areas as the dissemination process for instructional media, the application of a total information-packaging system for dissemination of research products, communication technology, and building technology for the development of educational products.

71-103 EC
Exceptional Children Conference Papers: The Improvement of Special Education Through Instructional Technology. Papers Presented at the Special Conference on Instructional Technology (San Antonio, Texas, December 1-4 1970) 38p. (Convention Papers) ED 047 442 RIE June 1971 MF-$0.65 HC-$3.29
Exceptional Child Education, Instructional Technology, Conference Reports, Educational Technology
The papers examine educational technology as a program objective of the Bureau of Education for the Handicapped, and the search for better support systems necessary in order to create the bonds that will be required in a future special educational system.

71-104 EC
Exceptional Children Conference Papers: Instructional Technology for Personnel Training. Papers Presented at the Special Conference on Instructional Technology (San Antonio, Texas, December 1-4, 1970) 102p. (Convention Papers) ED 047 441 RIE June 1971 MF-$0.65; HC-$6.58
Exceptional Child Education, Instructional Technology, Conference Reports, Inservice Teacher Education
Included in the collection are papers on demonstration projects in instructional technology (purposes, planning, and problems), instructional technology as defined and applied to personnel training, packaging parental materials for teaching selfhelp skills to multiply handicapped children, a new media specialists training program, accountability in teacher preparation, teacher-directed in-service education (as change agent for instructional technology), long distance microtraining, and packaged self-instruction materials for isolated teachers of the handicapped.

71-105 EC
Exceptional Children Conference Papers: Involvement of Parents in School Programs. Papers Presented at the Northwest Regional Conference (Vancouver, British Columbia, October 21-24, 1970) 17p. (Convention Papers) ED 047 448 RIE June 1971 MF-$0.65 HC-$3.29
Exceptional Child Education, Parent Child Relationship, Conference Reports, Parent Counseling
The 4 papers discuss: the area of work with parents of exceptional children, work with parents of preschoolers, parents who have children in a residential school, and the parents' emotional response to mental retardation and professional support.

71-106 EC
Exceptional Children Conference Papers: Pre-And Inservice Teacher Training. Papers Presented at the Northwest Regional Conference (Vancouver, British Columbia, October 21-24, 1970) 45p. (Convention Papers) ED 047 445 RIE June 1971 MF-$0.65; HC-$3.29
Exceptional Child Education, Inservice Teacher Education, Conference Reports, Institutes (Training Programs), Preservice Education
The 8 papers cover the role of university personnel in the training of special education, training from the point of view of a director of special education, the role of the clinical professor in upgrading special education teacher training programs, the teacher as part of the special education training team, the how and why of inservice programs, and professional preparation in recreation and physical education for the handicapped.

71-107 EC
Exceptional Children Conference Papers: Social and Institutional Changes in Special Education. Papers Presented at the Northwest Regional Conference (Vancouver, British Columbia, October 21-24, 1970) 42p. (Convention Papers) ED 047 446 RIE June 1971 MF-$0.65; HC-$3.29
Exceptional Child Education, Social Influences, Educational Philosophy, Conference Reports
The 5 papers discuss the importance of self concept in the development of exceptional children; the elimination-for all children-of school failure, exclusion, and discrimination; synergy as applied to special education; the challenge of institutional change; and the social revolution and special education.

71-108 EC
Exceptional Children Conference Papers: Training Strategies, Methods, and Instructional Materials. Papers Presented at the Northwest Regional Conference (Vancouver, British Columbia, October 21-24, 1970) 131p. (Convention Papers) ED 047 449 RIE June 1971 MF-$0.65; HC-$6.58
Exceptional Child Education;, Teaching Methods, Instructional Materials, Conference Reports
An optometrist's view of perceptual training for children with learning problems; developmental vision and learning; the role of the educator in assessment; an examination of an educational methodology; a theroetical framework for the establishment of a special education instructional materials center network in Canada; pre-school training for the nursery age retarded child; development of critical thinking through use of the Guilford model; cooperation and interaction of American and Canadian special education; and a report on the panel concerning a regional resource center for handicapped children and its impact on Northwest schools are among papers included.

71-109 EC
Exceptional Children Conference Papers: The Use and Evaluation of Instructional Technology in the Classroom. Papers Presented at the Special Conference on Instructional Technology (San Antonio, Texas, December 1-4, 1970) 90p. (Convention Papers) ED 047 444 RIE June 1971 MF-$0.65; HC-$3.29
Exceptional Child Education, Instructional Technology, Conference Reports, Evaluation
The 10 papers examine such areas as stimulation of the learning process through technology, the use of the paraprofessional as an interface through programmed tutoring in the teaching of

reading, the modular instructional system as an interface, man-machine interfaces in training optacon readers, a computer assisted instruction course in the early identification of handicapped children, evaluation of instructional materials and prediction of student performance, validation of learning modules, and instructional resources and their application to a child-centered learning process.

71-110 EC
The Hearing Impaired. Papers Presented at the Annual International Convention of the Council for Exceptional Children (48th, Chicago, Illinois, April 19-25, 1970) 34p. (Convention Papers) ED 039 381 RIE October 1970 MF-$0.65; HC-$3.29
Aurally Handicapped, Evaluation Methods, Exceptional Child Education, Language Instruction, Linguistic Performance
Papers reported include a suggested approach to the evaluation of expressive oral syntactic competence of the aurally handicapped child, the language of children receiving aural linguistic input, and implications of the linguistic approach for the classroom teacher.

71-111 EC
Medical Intervention and the Problem of Drugs. Papers Presented at the Annual International Convention of the Council for Exceptional Children (48th, Chicago, Illinois, April 19-25, 1970) 41p. (Convention Papers) ED 039 384 RIE October 1970 MF-$0.65; HC-$3.29
Exceptional Child Education, Handicapped Children, Medical Treatment
Papers are concerned with medical views of children with minimal brain dysfunction, medical intervention in maladaptive classroom behavior, medical intervention and the pediatrician's role in the behavior of disabled children while learning and the evolution of the drug problem.

71-112 EC
Precision Teaching in Perspective: An Interview with Ogden Lindsley. *Teaching Exceptional Children*, v3 n3, pp.114-119, Spring 1971. 6p. (Journal Article)
Precision Teaching, Exceptional Children, Teaching Techniques, Behavior Change, Special Education
In this interview, Dr. Lindsley described the origins of precision teaching, how it differs from behavior modification, and the present and future implications of precision teaching for special and regular education.

71-113 EC
Preparation of Personnel. Papers Presented at the Annual International Convention of the Council for Exceptional Children (48th, Chicago, Illinois, April 19-25, 1970) 119p. (Convention Papers) ED 039 387 RIE October 1970 MF-$0.65; HC-$6.58
Exceptional Child Education, Handicapped Children, Nonprofessional Personnel, Professional Education, Teacher Education
The workshop proceedings discuss innovations in teacher training, a prescriptive teaching system, and a crisis model of teacher training. Topics also concern the future of training administrators, the movement of nonprofessional personnel to teaching positions, and the training of professionals and paraprofessionals in early intervention with atypical infants.

71-114 EC
Special Class Placement--A Continuing Debate. Papers Presented at the Annual International Convention of the Council for Exceptional Children (48th, Chicago, Illinois, April 19-25, 1970) 34p. (Convention Papers) ED 039 383 RIE October 1970 MF-$0.65; HC-$3.29
Exceptional Child Education, Handicapped Children, Mentally Handicapped, Regular Class Placement
Discussions concern themselves with love of life, truth, and others, the efficacy of special placement for educable mentally handicapped children, and the destructiveness of special placement. Additional speeches describe the efficacy of special placement for the educable mentally handicapped, and the prospects of the mentally handicapped for the future.

71-115 EC
Speech, Language, and Communication Disorders, Papers Presented at the Annual International Convention of the Council for Exceptional Children (48th, Chicago, Illinois, April 19-25, 1970) 98p. (Convention Papers) ED 039 380 RIE October 1970 MF-$0.65; HC-$3.29
Conference Reports, Exceptional Child Education, Language Handicaps, Speech Handicaps, Communication Problems
Discussions include evaluation theory and caseload selection, differential diagnosis in a rural school, the practical application of differential diagnosis for urban school clinicians, the use of motor and language development scales, and the Ohio Tests of Articulation and Perception of Sounds. Additional papers are concerned with the therapy implications of recent developments in psycholinguistics, implications for new speech techniques with the neurologically impaired, the Bobath neuro-developmental treatment in speech therapy, and the effects of sensory modality stimulation on the disarthria of cerebral palsy.

71-116 EC
Stimulating the Environment for Disadvantaged and Minority Group Children. Papers Presented at the Annual International Convention of the Council for Exceptional Children (48th, Chicago, Illinois, April 19-25, 1970) 40p. (Convention Papers) ED 039 382 RIE October 1970 MF-$0.65; HC-$3.29
Disadvantaged Youth, Minority Group Children, Exceptional Child Education, Educational Improvement
Discussed are the positive influence on self concept of the new black image, the special needs of black students, and new programs for talent retrieval in urban centers. Additional papers concern new ways to retrieve talent, and the rise and fall of the Lincoln School.

71-117 EC
Teaching Strategies, Methods, and Materials. Papers Presented at the Annual International Convention of the Council for Exceptional Children (48th, Chicago, Illinois, April 19-25, 1970) 114p. (Convention Papers) ED 039 378 RIE October 1970 MF-$0.65; HC-$6.58
Exceptional Child Education, Instructional Materials, Mentally Handicapped, Teaching Techniques
The report includes papers on the following topics: a workshop report on the team approach in using educational media, means of decelerating disruptive classroom behavior, the promotion of motor development in young retardates, the use of pictorial symbols to teach reading to the mentally handicapped, and cognitive training with the educable mentally handicapped.

71-118 EC
Vocational Education and Work Study Programs. Papers Presented at the Annual International Convention of the Council for Exceptional Children (48th, Chicago, Illinois, April 19-25, 1970) 67p. (Convention Papers) ED 039 386 RIE October 1970 MF-$0.65; HC-$3.29
Educable Mentally Handicapped, Exceptional Child Education, Mentally Handicapped, Vocational Education, Work Study Programs
The implementation of a work-study program in a rural depressed area, the operation of the program, and evaluation are discussed in the first of 6 papers on vocational education for the retarded.

71-119 EC
Banas, Norma; Wills, I.H. **The Associative Memory Link** *Teaching Exceptional Children*, v3 n2, pp.67-69, Winter 1971. 3p. (Journal Article)
Exceptional Child Education, Teaching Methods, Visual Stimuli
The use of pictograms to provide visualization for abstract ideas is discussed and illustrated in this article.

71-120 EC
Bates, Stephanie; Bates, Douglas F. **...and a Child Shall Lead Them: Stephanie's Chart Story** *Teaching Exceptional Children*, v3 n3, pp.111-113, Spring 1971. 4p. (Journal Article)
Charts, Student Developed Materials, Behavior Patterns [Standard Daily Behavior Chart]
Stephanie Bates, a kindergarten student, explains the basic structure and use of the Standard Daily Behavior Chart.

71-121 EC
Blum, Evelyn R. **CES ERIC'S the Now Way to Know: The Madison Plan as an Alternative to Special Class Placement: An Interview with Frank Hewett** *Education and Training of the Mentally Retarded*, v6 n1, February 1971. 14p. (Journal Article)
Exceptional Child Education, Behavior Change, Administrator Role
Dr. Hewett, developer of the Madison Plan in the Santa Monica, California public schools, discusses behavior modification and other alternatives to disability grouping and special class placement.

71-122 EC
Blum, Evelyn R. **CEC ERIC'S the Now Way to Know: A Research and Demonstration Approach to Special Education in the 70's--Interview with Leonard S. Blackman** *Education and Training of the Mentally Retarded*, v5 n4, December 1970. 8p. (Journal Article)
Exceptional Child Research, Research Development Centers, Interviews
Discussed in this interview are the current research efforts which attack problems of concern to the classroom teacher.

71-123 EC
Blum, Evelyn R. **Conversations in Training and Research. Interview with George Sheperd: An R&D Center Focuses on Early Childhood Education** *Exceptional Children*, v37 n9, May 1971. 6p. (Journal Article)
Exceptional Child Research, Handicapped Children, Early Childhood Education, Professional Education, Research and Development Centers
Dr. Sheperd discusses the importance of early childhood education and the activities in this area of the Research and Demonstration Center in Early Childhood Education of the Handicapped (University of Oregon).

71-124 EC
Blum, Evelyn R. **Conversations in Training and Research. Interview with Jasper Harvey: Development of a Staff Training Prototype for Early Childhood Centers** *Exceptional Children*, v37 n9, May 1971. 5p. (Journal Article)
Exceptional Child Education, Handicapped Children, Early Childhood Education, Professional Education, Research and Development Centers
Dr. Harvey discusses the major components and functions of the early childhood staff training program at the University of Texas at Austin and the approach used with children in the model classroom.

71-125 EC
Boyd, Mary Ann **Articles, Books, and Documents on Early Childhood Education: A Selected Bibliography** *Exceptional Children*, v37 n9, May 1971. 7p. (Journal Article)
Exceptional Child Education, Handicapped Children, Early Childhood Education, Annotated Bibliographies
This bibliography was compiled from Exceptional Child Education Abstracts to complement this issue on early childhood education. It is a practical list of materials of interest to teachers and parents and does not include research reports.

71-126 EC
Calvert, Donald R. **Dimensions of Family Involvement in Early Childhood Education** *Exceptional Children*, v39 n9, May 1971. 5p. (Journal Article)
Exceptional Child Education, Handicapped Children, Preschool Education, Family Role
The 5 questions related to early childhood education that are answered in this article are: Who among family members should participate? What is the nature of their involvement? Why should they participate? When do they become

involved? Where does their participation take place? How is their participation induced?

71-127 EC
Christoplos, Florence **Prescriptive Teaching--A Cognitive Approach to Social and Interpersonal Learning** *Teaching Exceptional Children*, v2 n4, pp.158-162, Summer 1970. 5p. (Journal Article)
Exceptional Child Education, Behavior Change, Diagnostic Teaching
The author describes a work-study program in which pay was used successfully to simulate a job situation as academic prescriptions.

71-128 EC
Cohen, Marilyn A.; Martin, Grant L. **Applying Precision Teaching to Academic Assessment** *Teaching Exceptional Children*, v3 n3, pp.147-150, Spring, 1971. 4p. (Journal Article)
Precision Teaching, Teaching Techniques, Learning Difficulties, Mathematics Education
In the project, shared precision teaching was used to evaluate a nonperforming learning-disabled student's difficulty with basic addition facts; to work out a change in the teaching plan which could improve his addition skills; and to evaluate the student's performance in determining the effect of the change.

71-129 EC
Cooper, John O.; And Others **Food for Thought: An Objective Approach to Changing Children's Food Preferences** *Teaching Exceptional Children*, v3 n2, pp.73-76, Winter 1971. 4p. (Journal Article)
Behavior Change, Eating Habits, Intervention
Procedures for determining and changing children's food preferences are described.

71-130 EC
Dailey, Rebecca; And Others **Thesaurus for Exceptional Child Education** October 1970. 13p. (Thesaurus) ED 042 320 RIE January 1971 MF-$0.65; HC-$3.29
Exceptional Child Education, Thesauri, Indexing, Information Retrieval, Subject Index Terms
This thesaurus of 1,350 terms is a distillation of the regular Thesaurus of ERIC Descriptors. These terms are the ones considered most appropriate and useful for exceptional child education. The terms are most applicable to the literature of professional documents, research reviews and reports, curriculum guides, and journal articles.

71-131 EC
Duncan, Ann Dell **The View From the Inner Eye: Personal Management of Inner and Outer Behaviors** *Teaching Exceptional Children*, v3 n3, pp.152-156, Spring 1971. 5p. (Journal Article)
Behavior Change, Behavior Patterns, Self Control
Two projects are described in which a 3 1/2 year old girl and a 12 year old girl are taught to count their inner and outer behaviors and to utilize precise behavior management tools to change these behaviors.

71-132 EC
Fineblum, Carol M. **Key Issues Concerning the Adoption of the Metric System and Implications for the Education of Exceptional Children** October 1970. 12p. (Paper) ED 042 938 RIE February 1971 MF-$0.65; HC-$3.29
Exceptional Child Education, Handicapped Children, Measurement, Metric System
The feasibility, effectiveness, and implications of the metric system in the education of exceptional children are investigated. The paper also provides strategies for introducing the metric system.

71-133 EC
Frank, Alan R.; And Others **Developing a Work Skills Inventory** *Teaching Exceptional Children*, v3 n2, pp.82-86, Winter 1971. 5p. (Journal Article)
Exceptional Child Education, Educable Mentally Handicapped, Skill Analysis, Vocational Aptitude
Procedures for developing and using an inventory to evaluate the individual work-related skills of students are suggested by this author.

71-134 EC
Franks, Frank L. **Measurement in Science for Blind Students** *Teaching Exceptional Children*, v3 n1, Fall 1970. 8p. (Journal Article)
Exceptional Child Education, Visually Handicapped, Measurement Instruments, Science Materials
The author describes science measurement instruments specially modified for use by blind students. The instruments were developed as a result of a study conducted at the American Printing House for the Blind.

71-135 EC
Galloway, Charles; Galloway, Kay C. **Parent Classes in Precise Behavior Management** *Teaching Exceptional Children*, v3 n3, pp.120-128, Spring 1971. 8p. (Journal Article)
Precision Teaching, Teaching Techniques, Retarded Children, Behavior Change, Parent Education
The Galloways share their experiences in teaching parents how to use the tools of precision teaching to change the behavior of their severely retarded children, by increaing the frequency of desirable behaviors and decreasing the frequency of undesirable behaviors.

71-136 EC
Glassman, Lynne **Directory of Resources on Early Childhood Education** *Exceptional Children*, v37 n9, May 1971. 10p. (Journal Article)
Exceptional Child Education, Handicapped Children, Early Childhood Education, Resource Guides, Directories
Listed in this article are some of the laboratories, centers, organizations, and major publications which focus on early childhood education. This article will be published in June 1971 as a separate special publication which will give more detailed descriptions of publications available from the laboratories, centers, and organizations.

71-137 EC
Haltom, Carl M. **Informal Assessment and Remediation of Visual Memory Deficits** *Teaching Exceptional Children*, v3 n1, Fall 1970. 10p. (Journal Article)
Exceptional Child Education, Educable Mentally Handicapped, Visual Learning
An informal test for evaluating and remediating visual memory deficiencies is presented.

71-138 EC
Haughton, Eric **Great Gains From Small Starts** *Teaching Exceptional Children*, v3 n3, pp.141-146, Spring 1971. 6p. (Journal Article)
Teaching Techniques, Precision Teaching, Behavior Change, Exceptional Children
The application of precision teaching techniques in planning and carrying out multiple projects with one student in a special class is fully outlined.

71-139 EC
Jacobson, Ruth **A Method for Teaching Inflectional Forms** *Teaching Exceptional Children*, v3 n2, pp.70-72, Winter 1971. 3p. (Journal Article)
Exceptional Child Education, Verbs, Spelling, Language Instruction
The author presents a technique for teaching the spelling of inflectional forms of words based upon the phonic approach to reading.

71-140 EC
Johnson, Evelyn C. **Precision Teaching Helps Children Learn** *Teaching Exceptional Children*, v3 n3, pp.106-110, Spring 1971. 5p. (Journal Article)
Learning Difficulties, Charts, Teaching Techniques, Special Education, Precision Teaching
Evelyn Johnson, who teaches a class of learning disabled children, describes how she used precision teaching to help three of her students solve specific problems.

71-141 EC
Jordan, June B., ed. **CEC ERIC'S the New Way to Know: Current and Significant: the Curriculum R&D Center in Mental Retardation** *Education and Training of the Mentally Retarded*, v6 n2, April 1971. 3p. (Journal Article)
Exceptional Child Research, Research and Development Centers, Curriculum Development, Facilities
The program of the Curriculum Research and Development Center in Mental Retardation at Yeshiva University in New York is described.

71-142 EC
Jordan, June B., ed. **CEC ERIC'S the New Way to Know: Programs, Curriculum, School and Home Activities--A Selected Mental Retardation Bibliography** *Education and Training of the Mentally Retarded*, v5 n3, October 1970. 13p. (Annotated Bibliography)
Exceptional Child Education, Mentally Handicapped, Annotated Bibliographies
A listing is given of publications related to programs, curriculum, and home and school activities for mentally retarded children.

71-143 EC
Jordan, June B.; McDonald, Phyllis L., eds. **Dimensions Annual Survey of Exceptional Child Research Activities and Issues--1970** February 1971. 65p. (Serial) ED 047 436 RIE June 1971 MF-$0.65; HC-$3.29
Exceptional Child Research, Educational Trends, Research Needs, Surveys
This serial contains 9 articles which discuss recent trends, problems, controversies, and target areas of concern in exceptional child research.

71-144 EC
Jordan, June B., ed. **Exceptional Child Education Abstracts. Volume 2 Number 2** August 1970. 220p. (Abstract Journal) HC-available from the Council for Exceptional Children, Jefferson Plaza, Suite 900, 1411 South Jefferson Davis Highway, Arlington, Virginia 22202 ($50.00 for institutional subscriptions, published 4 times a year)
Exceptional Children, Exceptional Child Education
ECEA is a quarterly journal containing abstracts stored on the computer file of the CEC Information Center and is designed as a resource for administrators, researchers, teachers, teacher educators, psychologists, and others concerned with gifted and handicapped children.

71-145 EC
Jordan, June B., ed. **Exceptional Child Education Abstracts. Volume 2 Number 3** November 1970. 216p. (Abstract Journal) HC-available from the Council for Exceptional Children, Jefferson Plaza, Suite 900, 1411 South Jefferson Davis Highway, Arlington, Virginia 22202 ($50.00 for institutional subscriptions, published 4 times a year)
Exceptional Children, Exceptional Child Education
ECEA is a quarterly journal containing abstracts stored on the computer file of the CEC Information Center and is designed as a resource for administrators, researchers, teachers, teacher educators, psychologists, and others concerned with gifted and handicapped children.

71-146 EC
Jordan, June B., ed. **Exceptional Child Education Abstracts. Volume 2 Number 4** February 1971. 252p. (Abstract Journal) HC-available from the Council for Exceptional Children, Jefferson Plaza, Suite 900, 1411 South Jefferson Davis Highway, Arlington, Virginia 22202 ($50.00 for institutional subscriptions, published 4 times a year)
Exceptional Children, Exceptional Child Education
ECEA is a quarterly journal containing abstracts stored on the computer file of the CEC Information Center and is designed as a resource for administrators, researchers, teachers, teacher educators, psychologists, and others concerned with gifted and handicapped children.

71-147 EC
Joseph, Florence; Mullins, June **A Script to Supplant Cursive Writing or Printing** *Teaching Exceptional Children*, v3 n1, Fall 1970. 6p. (Journal Article)
Exceptional Child Education, Learning Disabilities, Perceptually Handicapped, Handwriting
A modified script which combines the benefits of both printing and cursive writing is discussed and illustrated.

71-148 EC
Koenig, Carl **The Behavior Bank: A System for Sharing Precise Information** *Teaching Exceptional Children*, v3 n3, p.157, Spring 1971. 1p. (Journal Article)
Behavior Patterns, Data Bases, Behavior Bank
The Behavior Bank is an international computer bank, which contains information on precise measurement projects conducted in the fields of education, psychology, psychiatry, social work, medicine, and nursing. The manner in which one

contributes to and uses this information is described.

71-149 EC
Mann, Horace **Conducting Instruction Requires Planning** *Teaching Exceptional Children*, v3 n2, pp.87-91, Winter 1971. 5p. (Journal Article)
Lesson Plans, Teaching Techniques
The daily lesson plan becomes a useful tool for the teacher when developed as the author suggests.

71-150 EC
Martin, Edwin W. **Bureau of Education for the Handicapped, Commitment and Program in Early Childhood Education** *Exceptional Children*, v37 n9, May 1971. 3p. (Journal Article)
Exceptional Child Education, Handicapped Children, Early Childhood Education, Bureau of Education for the Handicapped
The steps the Bureau of Education for the Handicapped is taking in developing preschool programs for handicapped children through the Handicapped Children's Early Education Assistance Act and various educational service divisions are discussed.

71-151 EC
McDonald, Phyllis L.; Soeffing, Marylane **Prevention of Learning Problems: Capsule Summaries of Research Studies in Early Childhood Education** *Exceptional Children*, v37 n9, May 1971. 6p. (Journal Article)
Exceptional Child Research, Learning Disabilities, Environmental Influences, Cognitive Development
This article reports the progress of 8 ongoing research projects, all designed to develop greater understanding of the effects of early environment on later academic development.

71-152 EC
Millikin, Gloria; Siegel, Darby **A Kit for Teaching Calculating and Computing Devices** *Teaching Exceptional Children*, v3 n1, Fall 1970. 6p. (Journal Article)
Exceptional Child Education, Gifted, Mathematics, Computer Science Education
This article provides a wealth of ideas, activities, and resources for teaching calculators and computers to gifted children.

71-153 EC
Mrutik, Joanne **How to Store Your Individualized Exercises** *Teaching Exceptional Children*, v3 n2, pp.92-95, Winter 1971. 4p. (Journal Article)
Individualized Instruction, Instructional Materials, Writing Exercises
Individualized exercises, easily made and used, are described.

71-154 EC
O'Hara, Edwin A. **Using Pay to Change Mentally Retarded Students' Work Behavior** *Teaching Exceptional Children*, v2 n4, pp.163-169, Summer 1970. 7p. (Journal Article)
Exceptional Child Education, Mentally Handicapped, Behavior Change
The author describes a work-study program in which pay was used successfully to stimulate a job situation and to significantly increase MR students' work quality and their ability to meet a production schedule.

71-155 EC
Oldsen, Carl F., ed. **Exceptional Child Education Abstracts, Volume 3 Number 1** April 1971. 176p. (Abstract Journal) HC-available from the Council for Exceptional Children, Jefferson Plaza, Suite 900, 1411 South Jefferson Davis Highway, Arlington, Virginia 22202 ($50.00 for institutional subscriptions, published 4 times a year)
Exceptional Children, Exceptional Child Education
ECEA is a quarterly journal containing abstracts stored on the computer file of the CEC Information Center and is designed as a resource for administrators, researchers, teachers, teacher educators, psychologists, and others concerned with gifted and handicapped children.

71-156 EC
Olshin, Geroge M. **Model Centers for Preschool Handicapped Children--Year II** *Exceptional Children*, v37 n9, May 1971. 5p. (Journal Article)
Exceptional Child Education, Handicapped Children, Early Childhood Education, Demonstration Centers
The Model Centers Program of the Bureau of Education for the Handicapped is described. This program attempts to develop comprehensive quality services for handicapped children newborn to 8 years of age.

71-157 EC
Rafael, Berta **The Advantages of Home Visits as a Pre-Admission Procedure** *Teaching Exceptional Children*, v3 n1, Fall 1970. 7p. (Journal Article)
Exceptional Child Education, Cerebral Palsy, Home Visits
The author relates the advantages of having teachers make home visits prior to enrollment in a preschool program.

71-158 EC
Reichard, Cary L. **Instructional Materials Specifically for the Retarded** *Teaching Exceptional Children*, v2 n4, pp.187-188, Summer 1970. 2p. (Journal Article)
Exceptional Child Education, Mentally Handicapped, Instructional Materials
This survey by the Rocky Mountain Special Education Instructional Materials Center lists producers of instructional materials specifically designed for use with educable mentally retarded children, the producers' addresses, and the curriculum in which they produce materials.

71-159 EC
Rush, Mary Lou **Problems in Teaching Concepts: A Programmer's View** *Teaching Exceptional Children*, v2 n4, pp.176-180, 186, Summer 1970. 7p. (Journal Article)
Exceptional Child Education, Aurally Handicapped, Programed Instruction
In writing programs to teach children concepts, there is a danger of using words and visuals which have misconceptions built into them. A programer gives some insights into possible misconceptions and ways to avoid them.

71-160 EC
Sloggett, Barbara B. **Use of Group Activities and Team Rewards to Increase Individual Classroom Productivity** *Teaching Exceptional Children*, v3 n2, pp.54-66, Winter 1971. 13p. (Journal Article)
Exceptional Child Research, Underachievers, Peer Groups, Behavior Change
This article describes an experimental classroom situation where token reinforcement was used to reward group rather then individual behavior in order to promote academic development.

71-161 EC
Spicker, Howard H. **Intellectual Development Through Early Childhood Education** *Exceptional Children*, v37 n9, May 1971. 12p. (Journal Article)
Exceptional Child Research, Disadvantaged Youth, Preschool Education, Intervention
Some of the advantages of early childhood education, especially for disadvantaged children are pointed out. Discussed are curriculum models, age at intervention, duration of intervention, and the use of the home as a supplement to preschool education.

71-162 EC
Starlin, Clay **Peers and Precision** *Teaching Exceptional Children*, v3 n3, pp.129-132, 137-140, Spring 1971. 7p. (Journal Article)
Peer Teaching, Precision Teaching, Teaching Techniques, Charts
The author describes an exciting peer tutoring project in which one first grader is taught to tutor 4 of her peers in naming geometric figures. They in turn tutor the rest of the class. One of the peer tutors is also taught how to chart his students' performance frequencies.

71-163 EC
Watson, Roberta **A Return to Pioneer Days** *Teaching Exceptional Children*, v2 n4, pp.170-175, Summer 1970. 6p. (Journal Article)
Exceptional Child Services, Handicapped Children, Educational Equipment
Special equipment built for handicapped children by the Telephone Pioneers of America is described and illustrated in this article.

71-164 EC
Wolinsky, Gloria F. **The Application of Some of J. Piaget's Observations to the Instruction of Children** *Teaching Exceptional Children*, v2 n4, pp.189-196, Summer 1970. 8p. (Journal Article)
Exceptional Child Education, Cerebral Palsy, Diagnostic Teaching
The author proposes that Piaget's approach to the analysis of children's behavior be used as a model for the ongoing evaluation required in diagnostic teaching. She presents a set of teacher-designed exercises which illustrate how this can be accomplished.

71-165 EC
Zimmerman, Lyndall D; Calovini, Gloria **Toys As Learning Materials for Preschool Children** *Exceptional Children*, v37 n2, May 1971. 12p. (Journal Article)
Child Development, Toys, Preschool Education
In selecting toys for preschool education to enrich experiences of young children, teachers must relate the toys to the goals of their program. Characteristics and learning activity needs of children ages 1 to 5 years are given.

71-166 EM
The 1971 AECT Research Abstracts and Trends in Instructional Technology--A Special ERIC at Stanford Microfiche March 1971. 48p. (Special Abstract Collection) HC-available from ERIC Clearinghouse on Educational Media and Technology, Institute for Communication Research, Stanford University, Stanford, California 94305
Instructional Technology
The clearinghouse-produced microfiche contains abstracts of the 21 research papers presented at the March 1971 Association for Educational Communications and Technology convention and the clearinghouse paper, Trends in Instructional Technology.

71-167 EM
Allen, William H.; Coombs, Don H., eds. **Trends in Instructional Technology: The ERIC at Stanford 1970 Planning Report** November 1970. 32p. (State-of-the-Art Review) ED 043 242 RIE February 1971 MF-$0.65; HC-$3.29
Educational Research, Educational Trends, Effective Teaching, Instructional Technology, Questionnaires
Responses to a questionnaire from the clearinghouse by 40 leaders in the field--and a subsequent evaluation by an advisory council--lead to discussion of accomplishments, trends, and effective use of instructional technology.

71-168 EM
Collins, W. Andrew **Identifying and Fostering Productive Researchers** *An Occasional Paper from ERIC at Stanford*, March 1971. 33p. (Monograph) ED 047 538 RIE June 1971 MF-$0.65; HC-$3.29
Literature Reviews, Scientists, Research, Researchers, Productivity
Characteristics of successful research training programs, their students, mature researchers, and research environments are explored, suggestions for research that is targeted to this area of investigation are made, and correlates in predicting success of students are considered.

71-169 EM
Collins, W. Andrew **The Interview: An Educational Research Tool** *An Occasional Paper from ERIC at Stanford*, December 1970. 16p. (Monograph) ED 044 931 RIE April 1971 MF-$0.65; HC-$3.29
Field Interviews, Research Tools, Social Sciences, Surveys
The interview schedule, manner of questioning, selection of respondents, the field tasks of the interviewer, and possibilities for error are discussed in this basic handbook on interviewing.

71-170 EM
Coombs, Don H.; And Others **Simulation and Gaming** *A Series 3 Collection from ERIC at Stanford*, September 1970. 48p. (Annotated Bibliography) HC-available from ERIC Clearinghouse on Educational Media and Technology, Institute for Communication Research, Stanford University, Stanford, California 94305
Simulation, Educational Games
Issued as one of a series, this booklet identifies and abstracts key ERIC literature available on the subject of simulation and gaming through September 1970.

71-171 EM

Forsythe, Richard O. **Instructional Radio: A Position Paper** *A Series 2 Paper from ERIC at Stanford,* December 1970. 16p. (State-of-the-Art Review) ED 044 933 RIE April 1971 MF-$0.65; HC-$3.29

Audiovisual Aids, Educational Radio

This revised version of a paper originally submitted to the President's Commission on Instructional Technology discusses present day problems, cites the key research literature, and traces the history of instructional radio as an effective alternative to traditional book-bound academic systems.

71-172 EM

Meyer, Anthony J. **Black Voices and Format Regulations: A Study in Black-Oriented Radio** May 1971. 31p. (Report) ED 048 754 RIE July 1971 MF-$0.65; HC-$3.29

Radio, Black Community, Community Influence, Broadcast Industry

Based on visits to black-oriented radio stations, reviews of license applications for such stations, and interviews of community leaders, station personnel and broadcasting experts in 8 cities, this study attempted to discern and elucidate the dynamics of black-oriented broadcasting.

71-173 EM

Ritterbush, Philip C.; Grove, Richard **Museums and Media: A Basic Reference Shelf. Museums and Media: A Status Report** December 1970. 16p. (Ritterbush: Annotated Bibliography; Grove: State-of-the-Art Review) ED 044 935 RIE April 1971 MF-$0.65; HC-$3.29

Instructional Media, Museums [Museum of the Media]

An appropriately combined state-of-the-art paper (Grove) and annotated bibliography (Ritterbush) identifies books, papers, periodicals, and reports which reveal the important role that museums can play in elementary and secondary education.

71-174 FL

Arendt, Jermaine D. **New Scheduling Patterns and the Foreign Language Teacher** *ERIC Focus Reports on the Teaching of Foreign Languages, Number 18,* November 1970. 18p. (Paper) ED 043 269 RIE February 1971 MF-$0.65; HC-$3.29

Flexible Scheduling, Modern Languages, Language Instruction, Secondary Education, Individualized Instruction

A review of traditional scheduling patterns and problems which arise from inflexible, lockstep systems leads to an examination of the 7-period day.

71-175 FL

Brooks, Nelson **Speaking of Language** April 1971. 172p. (Collection of Speeches) ED 048 791 RIE July 1971 MF-$0.65; HC-$6.58

Language Instruction, Speeches, Modern Languages, Audiolingual Methods, Educational Objectives, Language Teachers

A collection of 14 speeches dating from 1955 to 1969 and covering a broad range of information relevant to the history of language instruction in American schools is presented. The speeches discuss many problems and aspects of theory which influenced the development of audiolingual instruction.

71-176 FL

Hagiwara, Michio P. **Leadership in Foreign-Language Education: Trends in Training and Supervision of Graduate Assistants** July 1970. 51p. (State-of-the-Art Review) ED 041 523 RIE December 1970 MF-$0.65; HC-$3.29

Graduate Students, Preservice Education, Language Instruction, Supervisory Methods, Teaching Assistants

Based on an analysis of some 157 replies to a survey on the training and supervision of graduate teaching assistants, this study examines current trends in the type of supervision being offered by language departments.

71-177 FL

Hutchinson, Joseph C.; Hutchinson, June O. **Criteria for Selecting Types of Foreign Language Laboratory Systems** *ERIC Focus Reports on the Teaching of Foreign Languages, Number 20,* May 1971. 12p. (Paper) ED 049 662 RIE August 1971 MF-$0.65; HC-$3.29

Language Laboratories, Language Laboratory Equipment, Systems Approach, Equipment Evaluation, Language Instruction

The types of language laboratory systems available and factors to be considered in their selection are described. The paper also discusses the relation between utilization of the equipment and specific learning objectives in foreign language education.

71-178 FL

John, Vera P.; Horner, Vivian M. **Early Childhood Bilingual Education** March 1971. 207p. (Book) ED 047 593 RIE June 1971 MF-$0.65; HC-available from MLA Materials Center, 62 Fifth Avenue, New York, N.Y. 10011 ($4.00)

Early Childhood Education, Bilingual Education, English (Second Language), Teacher Education, Program Descriptions

This book, written from the viewpoint of both the immigrant and the native born, provides practical information that is helpful to communities attempting to present their demands for better bilingual education more cogently, and helps educators meet such demands with appropriate programs. 3 major groups--the Puerto Rican, the Mexican American, and the American Indian--are discussed.

71-179 FL

McKim, Lester W. **FLES: Types of Programs** *ERIC Focus Reports on the Teaching of Foreign Languages, Number 16,* October 1970. 14p. (Paper) ED 043 268 RIE February 1971 MF-$0.65; HC-$3.29

FLES, Language Instruction, Modern Languages, Program Design, Instructional Design

A discussion of 5 types of FLES programs is presented, indicating possible variations in program design due to variables in teachers, materials, time, students, and preparation of teachers.

71-180 FL

McKim, Lester W.; And Others **The Supervisor's Role in Foreign-Language Teacher Training** May 1971. 42p. (Conference Report) ED 049 665 RIE August 1971 MF-$0.65; HC-$3.29

Modern Languages, Teacher Supervision, Conference Reports, Teacher Education, Educational Accountability

The 3 papers presented in this conference report focus on the current status and function of the foreign language supervisor. The papers advocate the development of achievement tests to validate teacher competency, the reexamination of the role of the supervisor, and suggest improvements in teacher education.

71-181 FL

Mildenberger, Andrea S., comp.; And Others **ERIC Documents on the Teaching of Foreign Languages: Lists Numbers 1-4** June 1971. 68p. (Bibliography) ED 049 669 RIE August 1971 MF-$0.65; HC-$3.29

Catalogs, Educational Resources, Clearinghouses, Language Instruction, Modern Languages

Listed in this bibliography are 1603 items pertaining to foreign language instruction that were accessioned by all Educational Resources Information Center (ERIC) Clearinghouses from November 1966 through October 1969. Each item cites location of relevant abstract, ED number, and cost.

71-182 FL

Mildenberger, Andrea S.; Mazzeo, Margarita, comps. **ERIC Documents on the Teaching of Foreign Languages: List Number 5** *Foreign Language Annals,* v4 n1, pp.95-110, October 1970. 20p. (Bibliography) ED 044 990 RIE April 1971 MF-$0.65; HC-$3.29

Catalogs, Educational Resources, Clearinghouses, Language Instruction

Fifth in a series, this catalog lists 324 EDRS Documents on the teaching of foreign languages appearing in RIE from November 1969 through April 1970. Each item cites location of relevant abstract, ED number, and cost.

71-183 FL

Monka, Carolyn, comp. **ERIC Documents on the Teaching of Foreign Languages: List Number 6** *Foreign Language Annals,* v4 n3, pp.313-328, March 1971. 18p. (Bibliography) ED 047 592 RIE June 1971 MF-$0.65; HC-$3.29

Catalogs, Educational Resources, Clearinghouses, Language Instruction, Modern Languages

Sixth in a series, this catalog lists 330 EDRS documents on the teaching of foreign languages appearing in RIE from May 1970 through October 1970. Each item cites location of relevant abstract, ED number and cost.

71-184 FL

Norton, Mary E., comp. **A Selective Bibliography on the Teaching of Latin and Greek, 1920-69** Febraury 1971. 47p. (Bibliography) ED 046 311 RIE May 1971 MF-$0.65; HC-$3.29

Greek, Latin, Bibliographies, Educational Materials, Language Instruction

This bibliography lists, under 12 major categories, 1943 items published during the last half century which reflect current trends in classical studies. Works listed are related to the teaching of Latin and Greek as well as to classical civilization and culture. An author index is included, and EDRS information is given where appropriate.

71-185 FL

Pohlsander, Hans A. **Teaching Ancient History Today** *ERIC Focus Reports on the Teaching of Foreign Languages, Number 22,* May 1971. 12p. (Paper) ED 049 657 RIE August 1971 MF-$0.65; HC-$3.29

Ancient History, Classical Languages, Teaching Methods, Language Instruction, Cultural Education

This paper presents a rationale for the study of ancient history, discusses its relationship with other fields of study, suggest audiovisual aids and other source materials for use in the classroom, and concludes with remarks on the classical languages vis a vis ancient history. An annotated bibliography is included.

71-186 FL

Strasheim, Lorraine A. **Teaching the Latin Student to Translate** *ERIC Focus Reports on the Teaching of Foreign Languages, Number 17,* August 1970. 16p. (Paper) ED 042 391 RIE January 1971 MF-$0.65; HC-3.29

Teaching Techniques, Latin, Language Instruction, Reading Instruction, Translation

A discussion of relevant guidelines and techniques is presented based on the premise that the primary objective of teaching Latin is the development of the ability to read extant Latin authors.

71-187 FL

Torres, Edgardo E.; And Others **Foreign Language Dropouts: Problems and Solutions. An Examination of the Reasons Why Students Do Not Continue Foreign Language Instruction and a List of Suggested Solutions to the Problem** September 1970. 75p. (Monograph) ED 043 262 RIE February 1971 MF-$0.65; HC-$3.29

Language Instruction, Dropout Research, Secondary Schools, Guides, Student Attitudes

This comprehensive investigation into the reasons behind the crucial problem of the student dropout in foreign language programs focuses on 7 interrelated areas. Problematic conditions are given with corresponding, suggested solutions.

71-188 FL

Twaddell, Freeman **Linguistics and Foreign Language Teaching** *ERIC Focus Reports on the Teaching of Foreign Languages, Number 21,* December 1970. 8p. (Paper) ED 044 981 RIE April 1971 MF-$0.65; HC-$3.29

Language Instruction, Modern Languages, Linguistics, Language Research, Linguistic Theory

This brief analysis and definition of general linguistics focuses on distinct areas of study within the science, including descriptive, historical, comparative, and computational linguistics. The contributions of linguistics to foreign language teaching are variously noted.

71-189 FL
Wrenn, James J. **The Overhead Projector** *ERIC Focus Reports on the Teaching of Foreign Languages, Number 19,* November 1970. 16p. (Paper) ED 043 267 RIE February 1971 MF-$0.65; HC-$3.29
Modern Languages, Overhead Projectors, Language Instruction, Teaching Methods, Teaching Techniques
This paper focuses on a description of the overhead projector and suggests ways in which its application to the foreign language classroom can be most effective. A discussion of guidelines and relevant techniques, with a selected bibliography for further reading is provided.

71-190 HE
Casasco, Juan A. **Corporate Planning Models for University Management** October 1970. 18p. (Paper) ED 042 933 RIE February 1971 MF-$0.65; HC-$3.29
Higher Education, Management, Planning, Models, Administration
This paper reviews corporated planning models currently in use and considers their applicability to universities. Several possible university models are presented. The models developed are primarily for small or medium-sized institutions with limited financial resources.

71-191 HE
Harvey, James **College and University Planning** *CURRENTS '71,* n2, May 1971. 6p. (Journal Article) ED 049 396 RIE August 1971 MF-$0.65; HC-$3.29
Higher Education, Planning, Information Systems, Institutional Research, Program Planning
Recent techniques in development planning for colleges and universities are reviewed. Special attention is focused on goals and programming strategies such as planning-programming-budgeting systems and computer-assisted planning.

71-192 HE
Harvey, James **College Trustees** *CURRENTS 71,* n3, June 1971. 5p. (Journal Article) ED 049 397 RIE August 1971 MF-$0.65; HC-$3.29
Higher Education, Governance, Trustees, Governing Boards
This review of the college trustee includes a discussion of: (1) authority and duties of governing boards, (2) presidential selection, (3) the trustee and his views, (4) arguments over the trustees' role (5) the results of diversifying boards of trustees and (6) suggestions for improving board performance.

71-193 HE
Harvey, James **Preventing College Dropouts: A Review** *CURRENTS 70,* n3, November 1970. 4p. (Journal Article) ED 043 799 RIE March 1971 MF-$0.65; HC-$3.29
Higher Education, Dropouts, Dropout Programs, Student Characteristics, Dropout Prevention
Characteristics of dropouts are given in this article. In addition, approaches that prove effective in reducing dropout rates at various types of institutions are outlined. Also covered are programs aimed at early identification as well as attempts to keep students in school through "last ditch" measures.

71-194 HE
Harvey, James **Reforming Undergraduate Curriculum: Problems and Proposals** March 1971. 21p. (Literature Review) ED 048 518 RIE July 1971 MF-$0.65; HC-$3.29
Curriculum Development, Innovation, Higher Education, Undergraduate Study, Problems
This paper reviews the development of current curricular theory and examines current issues in the reform debate. Model curricular proposals are presented as well as current innovative programs at 24 institutions. An annotated bibliography is included.

71-195 HE
McKeachie, Wilbert J. **Research on College Teaching: A Review** November 1970. 20p. (Paper) ED 043 789 RIE March 1971 MF-$0.65; HC-$3.29
Higher Education, College Instruction, Research, Teaching Methods, Effective Teaching
This paper covers research in college teaching from 1924 to 1970, and contains an extensive bibliography. The author sees a need to establish research continuity to enable educators to discern trends in student learning and relate changes in student responses to different teaching methods.

71-196 HE
Patterson, Louis D. **Consortia in American Higher Education** November 1970. 23p. (Paper) ED 043 800 RIE March 1971 MF-$0.65; HC-$3.29
Higher Education, Annotated Bibliographies, Consortia, Interinstitutional Cooperation, Cooperative Programs
Promotion and growth of consortia are considered, along with some of the practical problems of interinstitutional cooperation. A bibliography containing 52 references is included.

71-197 HE
Peterson, Richard E. **The Crisis of Purpose: Definition and Uses of Institutional Goals** October 1970. 15p. (Paper) ED 042 934 RIE February 1971 MF-$0.65; HC-$3.29
Higher Education, Institutional Role, Planning, Objectives, Research [Delphi Technique]
The conflicting kinds of academic philosophies are considered as well as the rhetoric concerning the purpose of higher education. Uses of institutional goals are discussed. The issues of institutional autonomy and power are surveyed, followed by focus on three goal-determining strategies: fiat, committee, and survey. The Delphi technique is emphasized.

71-198 HE
Robinson, Lora H. **Improving College Teaching through Faculty Selection and Evaluation: A Review** *CURRENTS 70,* n2, July 1970. 4p. (Journal Article) ED 040 309 RIE November 1970 MF-$0.65; HC-$3.29
Higher Education, College Teachers, Faculty Evaluation, Faculty Recruitment, Teaching Quality
This issue of Currents reviews the selection and evaluation/retention of college faculty as 2 means of improving college teaching. Summaries of successful and proposed criteria for measuring faculty performance and barriers to their use are included. 22 sources document the review.

71-199 HE
Robinson, Lora H. **The Status of Academic Women** April 1971. 30p. (Literature Review) ED 048 523 RIE July 1971 MF-$0.65; HC-$3.29
Women Professors, Higher Education, Employment Patterns, Females, Employment Opportunities
A comprehensive description of academic women is given, along with specific criteria used by investigators to assess the status of these women. 54 annotated campus reports on employment conditions at 65 institutions provide an extensive survey of current conditions. 25 projects of associations that collect and disseminate information on employment conditions for women conclude the review.

71-200 HE
Sharon, Amiel T. **College Credit for Off-Campus Study** March 1971. 18p. (Report) ED 048 520 RIE July 1971 MF-$0.65; HC-$3.29
Higher Education, Equivalency Tests, Home Study, College Credits
Some of the recent literature on unconventional college-level education gained outside the classroom is summarized in this paper. The major types of off-campus learning are reviewed and methods by which formal recognition is given for this education are presented.

71-201 HE
Shulman, Carol H. **Financing Higher Education** March 1971. 25p. (Literature Review) ED 048 519 RIE July 1971 MF-$0.65; HC-$3.29
Higher Education, Educational Finance, Annotated Bibliographies, Financial Support, Financial Needs
Methods to offset the financial crisis besetting higher education are given, including: formula grants, student loans, institutional grants, state aid, bank plans, scholarship and tax credits, and proposals for a national center for higher education. Plans for funding at the federal, state, and institutional level are given in an 80-item bibliography.

71-202 HE
Shulman, Carol H. **Preparing College Teachers** *Compendium Series of Current Research, Programs and Proposals, Number 2,* August 1970. 25p. (State-of-the-Art Review) ED 041 179 RIE December 1970 MF-$0.65; HC-$3.29
Higher Education, Research, Research Reviews (Publications), College Teachers, Degrees (Titles), Universities
This compendium delineates 53 program efforts to improve preparation for college teaching. Some methods used to upgrade preparation are training programs, fellowships and grants, and introduction of new degrees, such as the Doctor of Arts. An index of participating groups is included.

71-203 HE
Shulman, Carol H. **Recruiting Disadvantaged Students** *Compendium Series of Current Research, Programs and Proposals, Number 3,* December 1970. 31p. (State-of-the-Art Review) ED 043 788 RIE March 1971 MF-$0.65; HC-$3.29
Higher Education, Admission Criteria, Disadvantaged Youth, Recruitment, Special Programs
This review is based on a questionnaire sent to those responsible for recruiting students at 54 colleges and universities. To make higher education accessible to those excluded either by restrictive admissions policies or by financial hardship was the primary desire of the respondents. Personal interviews are frequently cited as the best means to determine academic success.

71-204 HE
Speck, David G. **Ombudsman on Campus: A Review** *CURRENTS 71,* n1, January 1971. 6p. (Journal Article) ED 045 861 RIE May 1971 MF-$0.65; HC-$3.29
Ombudsmen, Student College Relationship, Counseling, Higher Education, Grievance Procedures
The position of ombudsman is discussed in terms of role, responsibilities, and limitations. Typical problems that confront the ombudsman are presented, as well as the ways in which these problems are handled, methods for filling the position, benefits, role, and others.

71-205 HE
Trent, William T. **College Compensatory Programs for Disadvantaged Students** September 1970. 18p. (Paper) ED 042 932 RIE February 1971 MF-$0.65; HC-$3.29
Higher Education, Disadvantaged Youth, Compensatory Education Programs, Special Programs, Minority Groups
Presented in this paper are the general attributes and accomplishments of college compensatory programs. There is a detailed analysis of characteristics of successful programs at 18 colleges and universities.

71-206 HE
Vallance, Theodore R. **Structural Innovations in Higher Education to Meet Social Needs** December 1970. 34p. (Paper) ED 044 539 RIE April 1971 MF-$0.65; HC-$3.29
Higher Education, Educational Innovation, Interdisciplinary Approach, Social Action, Relevance (Education)
Innovative programs at 64 higher educational institutions are described. This paper focuses on 9 programs that deal with endemic social problems, such as poverty, crime, ill health, social conflict, and the maladministration of justice. The interdepartmental center is the most common form such programs take.

71-207 HE
Warren, Jonathan **College Grading Practices: An Overview** March 1971. 29p. (Paper) ED 047 164 RIE June 1971 MF-$0.65; HC-$3.29
Higher Education, Grading, Student Evaluation, Evaluation Techniques, Measurement Techniques
This report examines grading practices, the uses of grades, and the influence of grades on the student, faculty, administration and society. The author also indicates how grading practices can be and are being altered to provide an educational tool that accurately reflects the many dimensions of student performance.

71-208 JC
Adkins, Winthrop R.; And Others **One Institution: Six Alternatives** *Junior College Research Review*, v5 n9, May 1971. 16p. (Journal Article) ED 048 857 RIE July 1971 MF-$0.65; HC-$3.29
College Role, Definitions, Educational Objectives, Junior Colleges, Objectives
This article presents the collected views of several writers on alternatives to various current practices in the junior college. Each of the 6 papers points to similar needs--needs that have become contemporary gospel but still hinge on the theoretical, the ultimate, and the yet-to-be implemented.

71-209 JC
Banister, Richard **Case Studies in Multi-Media Instruction** *Topical Paper, Number 13*, October 1970. 61p. (Paper) ED 044 098 RIE March 1971 MF-$0.65; HC-$3.29
Audiovisual Instruction, Junior Colleges, Multimedia Instruction, Program Design, Program Development
A review of the current status of multi-media instruction, costs vs. effectiveness, professional attitudes, and other requirements for its development is presented in this topical paper.

71-210 JC
Boggs, John R. **Studies of Student and Staff Attitudes** *Junior College Research Review*, v5 n8, April 1971. 4p. (Journal Article) ED 047 682 RIE June 1971 MF-$0.65; HC-$3.29
Affective Behavior, Junior Colleges, Opinions, Student Attitudes, Teacher Attitudes
The focus of this article is on documents that report affective measures as the primary aim of their study. Of the 9 documents reviewed, 1 describes the development of an instrument for measuring attitudes, 5 are concerned with student attitudes, and 3 deal with staff attitudes.

71-211 JC
Boyer, Marcia A. **Cooperative Work-Experience Education Programs in Junior Colleges** *Junior College Research Review*, v5 n2, October 1970. 4p. (Journal Article) ED 042 455 RIE January 1971 MF-$0.65; HC-$3.29
Cooperative Education, Junior Colleges, Student Employment, Vocational Education, Work Experience Programs
The values of work-experience programs are viewed from the standpoint of the student, college, employer, and community, and for their usefulness in professional as well as business and vocational careers.

71-212 JC
Boyer, Marcia A. **Paraprofessional Training Programs in Junior Colleges** *Junior College Research Review*, v5 n6, February 1971. 4p. (Journal Article) ED 045 088 RIE April 1971 MF-$0.65; HC-$3.29
Junior Colleges, Library Technicians, Paramedical Occupations, Social Services, Teacher Aides
Presented in this article is a report on current programs for the training of aides in teaching, social service, library science, and health and medical services.

71-213 JC
Brawer, Florence B. **Student Studies: Comparative and Remedial Populations** *Junior College Research Review*, v5 n7, March 1971. 4p. (Journal Article) ED 047 665 RIE June 1971 MF-$0.65; HC-$3.29
Comparative Analysis Disadvantaged Youth, Junior Colleges, Students, Surveys
Suggestions for study and comparison of various student populations by choice of career, attitude, background, values, advantages, and the like are presented. The most popular subject for comparative study is the transfer student vs. the non-transfer student.

71-214 JC
Brawer, Florence B. **Values and the Generation Gap: Junior College Freshmen and Faculty** *Monograph, Number 11*, June 1971. 66p. (Monograph) ED 050 724 RIE September 1971 MF-$0.65; HC-$3.29
Junior Colleges, College Freshmen, College Faculty, Generation Gap, Values
This is an examination of the values and beliefs of students and faculty in the junior college in terms of the so-called generation gap. A definition of the concepts and a clarification of salient distinctions should enhance general understanding of their significance.

71-215 JC
Cohen, Arthur M.; Brawer, Florence B. **The Dynamic Interaction of Student and Teacher** *Topical Paper, Number 17*, February 1971. 26p. (Paper) ED 046 395 RIE May 1971 MF-$0.65; HC-$3.29
Junior Colleges, Student Reaction, Student Teacher Relationship, Teacher Behavior, Teacher Evaluation
An examination of the subtle interplay, unrelated to direct instruction, between student and teacher that affects the student's aspirations, personality development, and academic achievement is presented.

71-216 JC
Cohen, Arthur M.; Quimby, Edgar A. **Trends in the Study of Junior Colleges: 1970--Rationale and Recommendations for Fifteen Essential Research Projects** *Junior College Research Review*, v5 n1, pp.1-10, September 1970. 10p. (Journal Article) ED 040 711 RIE November 1970 MF-$0.65; HC-$3.29
Junior Colleges, Educational Research, Evaluation Needs, Research Coordinating Units, Research Projects
The list of needed junior college research projects covers definition of research distinctions, an annual review, ideas in the movement, user services, instructor assessment, curriculum content validity, model schooling, program assessment, effects on students, characteristics of occupational students, verbal skills, impact on the community, organizational climates, attitudes, and community opinion.

71-217 JC
Cross, K. Patricia **Occupationally Oriented Students** *Junior College Research Review*, v5 n3, November 1970. 4p. (Journal Article) ED 043 328 RIE February 1971 MF-$0.65; HC-$3.29
Junior Colleges, Junior College Students, Student Characteristics, Technical Education, Vocational Education
Reviewed are recent studies of various characteristics, including family background, motivations, values and objectives, of junior college students enrolled in vocational and technical programs.

71-218 JC
Darnes, G. Robert; And Others **Exemplary Practices in Junior College Reading Instruction** *Topical Paper, Number 23*, May 1971. 13p. (Paper) ED 050 710 RIE September 1971 MF-$0.65; HC-$3.29
Junior Colleges, Reading Instruction, Adult Reading Programs
Highlighted in this paper is a description of model reading programs at 4 different junior colleges.

71-219 JC
Dintelman, C.J. **Skill Development in Junior College Reading Programs** *Topical Paper, Number 20*, April 1971. 19p. (Paper) ED 048 859 RIE July 1971 MF-$0.65; HC-$3.29
Junior Colleges, Reading Comprehension, Reading Skills, Retention, Speed Reading
The 3 main categories of reading skills discussed in this paper are: speed reading skills, comprehension skills (including vocabulary), and related factors (a miscellaneous category).

71-220 JC
Fader, Daniel **Shaping an English Curriculum to Fit the Junior College Student** *Junior College Research Review*, v5 n10, June 1971. 4p. (Journal Article) ED 049 734 RIE August 1971 MF-$0.65; HC-$3.29
English Curriculum, Individualized Instruction, Junior Colleges, Remedial Instruction, Teaching Methods
Suggested improvements in standard practices in the teaching of English in the junior college are presented with particular reference to students in need of remediation.

71-221 JC
Kazmierski, Paul R. **Training Faculty for Junior College Reading Programs** *Topical Paper, Number 24*, May 1971. 14p. (Paper) ED 050 711 RIE September 1971 MF-$0.65; HC-$3.29
Junior Colleges, Adult Reading Programs, College Teachers
An examination of the background and experience of junior college reading instructors, their pre-service and in-service training programs, their present duties and responsibilities is presented.

71-222 JC
Kelly, M. Frances; Connolly, John **Orientation for Faculty in Junior Colleges** *Monograph, Number 10*, June 1970. 85p. (Monograph) ED 043 323 RIE February 1971 MF-$0.65; HC-$3.29
College Faculty, Junior Colleges, Program Descriptions, Program Development, Teacher Orientation
A community college's orientation program can play a significant part in helping faculty members adjust to their new environment. This study develops a model for such an orientation, and includes suggestions for pre-orientation planning and activities, actual program goals and considerations, and post-program evaluation.

71-223 JC
Kerstiens, Gene **Directions for Research and Innovation in Junior College Reading Programs** *Topical Paper, Number 18*, February 1971. 24p. (Paper) ED 046 396 RIE May 1971 MF-$0.65; HC-$3.29
Educational Research, Junior Colleges, Reading, Reading Research, Research
Discussed in this paper is the status of research in junior college reading/study skills programs, an identification of gaps in the research, and 2 proposed measures that would favorably affect research in the field.

71-224 JC
Kintzer, Frederick C. **Nationwide Pilot Study on Articulation** *Topical Paper, Number 15*, December 1970. 135p. (Paper) ED 045 065 RIE April 1971 MF-$0.65; HC-$6.58
Articulation (Program), Educational Philosophy, Junior Colleges, Transfer Policy, Tranfer Programs
Provided in this paper are summaries of current articulation efforts in all of the 50 states including a detailed analysis of articulation between and among junior and senior institutions, showing successful practices, problems, and future plans.

71-225 JC
Lombardi, John **Black Studies as a Curriculum Catalyst** *Topical Paper, Number 22*, May 1971. 19p. (Paper) ED 050 709 RIE September 1971 MF-$0.65; HC-$3.29
Junior Colleges, African American Studies, Curriculum Enrichment
Presented in this paper is a report on the impact of black studies on campuses throughout the country--curriculums, faculty, administration, and the students themselves.

71-226 JC
Lombardi, John **The Position Papers of Black Student Activities** *Topical Paper, Number 12*, September 1970. 19p. (Paper) ED 042 453 RIE January 1971 MF-$0.65; HC-$3.29
Activism, Junior Colleges, Negro Organization, Student Attitudes, Student College Relationship
10 black student activist position papers are compared and contrasted for their style, content, structure, and manner of presentation. The papers are from approximately 20 junior colleges throughout the country. The contextual environment in which these papers must be viewed, and their import on the campuses is discussed.

71-227 JC
Lombardi, John **The President's Reaction to Black Student Activism** *Topical Paper, Number 16*, January 1971. 33p. (Paper) ED 046 390 RIE May 1971 MF-$0.65; HC-$3.29
Activism, Administrator Attitudes, Junior Colleges, Negro Students, Presidents
The various responses made by individual junior college presidents to the demands (position papers) of black student activists are summarized in this paper.

71-228 JC
Newman, Loretta M. **Community College Reading Center Facilities** *Topical Paper, Number 21,* May 1971. 15p. (Paper) ED 051 792 RIE October 1971 MF-$0.65; HC-$3.29
Junior Colleges, Reading Skills, Reading Centers
The establishment of reading and learning centers and their value in the teaching of various reading skills is discussed in this paper.

71-229 JC
Park, Young **Junior College Faculty: Their Values and Perceptions** *Monograph, Number 12,* June 1971. 68p. (Monograph) ED 050 725 RIE September 1971 MF-$0.65; HC-$3.29
College Faculty, Junior Colleges, Values, Teacher Attitudes
This investigation of institutional characteristics as they relate to staff values and perceptions is considered only a pilot study. It is felt that teacher personality and perceived role, as well as faculty perception of the institution may have significant influence on the function, purpose, and product of the junior college.

71-230 JC
Park, Young **Teacher Preparation Programs and the Junior College** *Junior College Research Review,* v5 n5, January 1971. 4p. (Journal Article) ED 045 073 RIE April 1971 MF-$0.65; HC-$3.29
Administrator Attitudes, Educational Research, Junior Colleges, Research Utilization, Teacher Education
The need for active cooperation between the university-based researcher and the junior college administrator, to provide the research on teaching and learning necessary for the sound preparation of junior college teachers is emphasized.

71-231 JC
Sheldon, M. Stephen **Entrance and Placement Testing for the Junior College** *Junior College Research Review,* v5 n4, December 1970. 4p. (Journal Article) ED 044 110 RIE March 1971 MF-$0.65; HC-$3.29
Admission Criteria, Junior Colleges, Standardized Tests, Student Evaluation, Testing Problems
The use of traditional psychometic devices to predict an individual's academic performance, and to determine his admittance into a particular curriculum is discussed, and a more appropriate alternative is suggested.

71-232 JC
Vaughan, George B. **Some Philosophical and Practical Concepts for Broadening the Base of Higher Education in Virginia** *Topical Paper, Number 19,* May 1971. 107p. (Paper) ED 049 729 RIE August 1971 MF-$0.65; HC-$6.58
College Planning, Educational Development, Educational Objectives, Junior Colleges, Master Plans [Virginia]
A history is presented of the development, both social and political, of the junior college system in Virginia.

71-233 JC
Wattenbarger, James L.; Martorana, S.V. **The Laws Relating to Higher Education in the Fifty States: January 1965-December 1967** *Topical Paper, Number 14,* October 1970. 36p. (Paper) ED 044 097 RIE March 1971 MF-$0.65; HC-$3.29
Educational Legislation, Educational Trends, Junior Colleges, State Legislation, State Surveys
A digest of each state's legislation important to the junior college is included in this topical paper. It continues a previous study by the USOE.

71-234 LI
A Research Design for Library Cooperative Planning in the Washington, D.C. Metropolitan Area August 1970. 77p. (Report) ED 040 306 RIE November 1970 MF-$0.65; HC-$3.29
Information Services, Library Cooperation, Library Planning, Library Research, Library Services [District of Columbia]
The objectives of this study are to assess needs for cooperative planning and action among the various types of libraries (public, Federal, university, school and special) in the metropolitan area, and to prepare a design for subsequent research and demonstration in the areas of need.

71-235 LI
Benton, Mildred, ed. **Library and Reference Facilities in the Area of the District of Columbia. Eighth Edition** 1971. 217p. (Directory) ED 050 764 RIE September 1971 MF-$0.65; HC-available from the Joint Venture, 2001 S. Street, N.W., Washington, D.C. 20009 ($5.95)
Libraries, Library Reference Services, Library Collections, Library Services, Directories, Library Facilities [District of Columbia]
The new edition of Library and Reference Facilities in the Area of the District of Columbia contains information on 426 libraries and points out those information facilities that offer service to the public. A subject index, an index of librarians and a listing of disestablished libraries are included at the end of this directory.

71-236 LI
Benton, Mildred; Ottersen, Signe, comps. **Roster of Federal Libraries** October 1970. 283p. (Directory) ED 044 158 RIE March 1971 MF-$0.65; HC-$9.87
Directories, Government Libraries, Libraries, National Libraries, Special Libraries
More than 1,900 individual libraries serving the many departments, committees, agencies, courts, and other formal organizational entities in the Federal Government are identified. They include 6 types: Presidential, national, general, academic, school and special or technical.

71-237 LI
Benton, Mildred; And Others **A Study of Resources and Major Subject Holdings Available in U.S. Federal Libraries Maintaining Extensive or Unique Collections of Research Materials. Final Report** September 1970. 676p. (Directory) ED 043 350 RIE February 1971 MF-$0.65; HC-$23.03
Government Libraries, Information Sources, Library Collections, Special Libraries, Library Surveys, Directories
188 selected special libraries were surveyed in an initial attempt to study the resources and major subject holdings available in Federal libraries maintaining extensive or unique collections of research materials.

71-238 LI
Helmuth, Nancy, A., ed. **ERIC Products 1969-1970; A Bibliography of Information Analysis Publications of the ERIC Clearinghouses July 1969-June 1970** August 1970. 47p. (Annotated Bibliography) ED 041 598 RIE December 1970 MF-$0.65; HC-$3.29
Bibliographies, Clearinghouses, Education, Educational Resources, Publications
The third annual bibliography of ERIC clearinghouse publications reflects information analysis activities of each Clearinghouse. The 366 annotated items for Fiscal Year 1970 include substantial bibliographies, review papers and state-of-the-art papers identified as ERIC publications.

71-239 LI
Klempner, Irving M. **Audiovisual Materials in Support of Information Science Curricula: An Annotated Listing With Subject Index** *June* 1971. 27p. (Annotated Listing) ED 051 819 RIE October 1971 MF-$0.65; HC-$3.29
Information Science, Audiovisual Aids, Instructional Materials, Library Science, Instructional Films
The 195 audiovisual aids cited are aimed toward introducing students of library science to the rapidly evolving theory and technology of information science. Each item lists the title, length of film in minutes, a brief description of content, and the current availability. A subject index is provided.

71-240 LI
Olsen, Harold A. **The Economics of Information: Bibliography and Commentary on the Literature** January 1971. 32p. (Literature Review) ED 044 545 RIE April 1971 MF-$0.65; HC-$3.29
Economics, Cost Effectiveness, Information Processing, Information Science, Information Utilization, Literature Reviews
The report consists of (1) a short section on the economists' framework for analysis, (2) a table that divides the pertinent literature into 14 categories, briefly defines each category, and explains why it is important to information activities, (3) a brief commentary on the state of the [illegible] and (4) a selected bibliography of over 200 items.

71-241 LI
Pan, Elizabeth **Library Serials Control Systems: A Literature Review and Bibliography** December 1970. 49p. (Literature Review) ED 044 538 RIE April 1971 MF-$0.65; HC-$3.29
Automation, Electronic Data Processing, Serials, Systems Analysis, Use Studies, Library Automation
The literature on automated serials control systems and related subjects is reviewed and conclusions are drawn with regard to the issues raised. In addition to descriptions of the major serials systems, topics of concern include user studies, technological developments, emerging national standards, and costs.

71-242 LI
Veazie, Walter H.; Connolly, Thomas F. **The Marketing of Information Analysis Center Products and Services** June 1971. 33p. (Monograph) ED 050 772 RIE September 1971 MF-$0.65; HC-available from American Society for Information Science, 1140 Connecticut Ave., N.W., Washington, D.C. 20036 ($2.00)
Costs, Marketing, Information Sources, Information Centers, Information Services
2 case studies, reflecting the experience of 2 centers which have implemented service charges, and the comments of managers on proposed methods of information center cost recovery provide a basis on which decisions for service charges can be made. A bibliography of 33 references provides an overview of relevant literature.

71-243 PS
Head Start Curriculum Models: A Reference List November 1970. 26p. (Bibliography) ED 046 517 RIE May 1971 MF-$0.65; HC-$3.29
Preschool Programs, Preschool Curriculum, Preschool Education, Early Childhood Education, Bibliographies [Head Start]
Books, articles, curriculum aids, progress reports and other papers related to the 11 Head Start curriculum models now being tested experimentally in many communities are listed. Addresses of educators responsible for the models are given.

71-244 PS
Allgeier, Janet F., comp. **A Brief Guide to Newsletters in Early Childhood Education** March 1971. 13p. (Annotated Bibliography) ED 048 932 RIE July 1971 MF-$0.65; HC-$3.29
Early Childhood Information, Newsletters, Education, Elementary Education
The 31 informative newsletters and bulletins listed are concerned directly with, or related to, the field of early childhood education. Each listing contains the publication's title, scope, frequency of publication, and subscription information.

71-245 PS
Bluth, Linda; And Others **Emotional Disturbance: Preschool Intervention and Prevention** May 1971. 18p. (Bibliography) ED 048 517 RIE July 1971 MF-$0.65; HC-$3.29
Bibliographies, Emotionally Disturbed Children, Preschool, Intervention, Prevention
Articles, books, and films published between 1960 and 1970 which deal with early identification of and intervention for preschool emotionally disturbed children are listed. Materials are keyed to show appropriateness for teachers, social workers, psychologists, administrators, and parents.

71-246 PS
Coller, Alan R. **Report for ERIC/TM: An Annotated Bibliography of Self-Concept Measures for the Early Childhood Years** November 1970. 44p. (Annotated Bibliography) ED 051 305 RIE September 1971 MF-$0.65; HC-$3.29
Annotated Bibliography, Self Concept, Measurement Instruments, Preschool Children, Elementary School Students
A variety of self-concept measures currently employed in the assessment of children in the early childhood grades are described. (This product is a cooperative effort of ERIC/PS and ERIC/TM.)

71-247 PS
Elliott, David L. **Needed: A New Early Childhood Educator** *Educational Leadership*, v28 n8, pp.835-839, May 1971. 5p. (Journal Article)
Early Childhood Education, Educational Objectives, Parent Role, Child Development Specialists, Teacher Characteristics
This article includes a partial description of a broader educational context needed to improve children's lives, proposes a new role of children's advocate for the professional educator, and suggests steps to take toward development of this role.

71-248 PS
Griffin, Louise **Books to Preschool: A Guide to Selecting, Purchasing, and Using Children's Books** November 1970. 64p. (Booklist) ED 038 178 RIE August 1970 MF-$0.65; HC-$3.29
Guides, Children's Books
Sections of this guide include information on selecting, making, and using books with young children; books in other languages; using the public library; and book buying. Annotated bibliographic citations are given for specific children's books.

71-249 PS
Griffin, Louise, comp. **Multi-Ethnic Books for Young Children: Annotated Bibliography For Parents and Teachers** 1970. 77p. (Annotated Bibliography) ED 046 519 RIE May 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Children's Books, Ethnic Groups, Cultural Background, Booklists
Listed in this bibliography are books now available for children whose race, national background, ethnic group, or life style is not white, middle class. Included are books in languages other than English, books for parents and teachers, and a directory of publishers.

71-250 PS
Howard, Norma K., comp. **Day Care: An Annotated Bibliography** June 1971. 19p. (Annotated Bibliography) ED 052 823 RIE November 1971 MF-$0.65; HC-$3.29
Annotated Bibliography, Day Care, Day Care Services
Recent research reports, papers, booklists, and journal articles dealing with all aspects of day care are listed. This bibliography covers financing, licensing and standards, staff, building, equipment, program, and community involvement.

71-251 PS
Johnson, Adele, comp. **Preschool Programs: An Annotated Bibliography** June 1971. 68p. (Annotated Bibliography) ED 052 822 RIE November 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Preschool Education, Preschool Programs, Preschool Curriculum, Preschool Learning
Annotated citations of recent research reports, papers, and journal articles which discuss various aspects of preschool programs are provided.

71-252 PS
Kamii, Constance; Elliott, David L. **Evaluation of Evaluations** *Educational Leadership*, v28 n8, pp.827-834, May 1971. 8p. (Journal Article)
Evaluation, Evaluation Methods, Evaluation Criteria, Programs, Comparative Analysis
As a summative and comparative evaluation, this article discusses some of the practical and theoretical reasons why educators are not yet able to determine what kind of program is best for what kinds of children.

71-253 PS
Katz, Lillian G. **Condition With Caution: Think Twice Before Conditioning** February 1971. 7p. (Paper) ED 046 539 RIE May 1971 MF-$0.65; HC-$3.29
Behavior Change, Operant Conditioning, Emotional Problems, Social Immaturity, Behavior Problems
Although several children may exhibit the same behavior, the underlying causes of that behavior may be very different for each child. Therefore, behavior modification techniques should be approached with caution. A paradigm shows possible phenotype/genotype/treatment relationships.

71-254 PS
Katz, Lilian G. **Early Childhood Education as a Discipline** *Young Children*, v26 n2, pp.82-89, September 1970. 15p. (Journal Article) ED 043 356 RIE February 1971 MF-$0.65; HC-$3.29
Early Childhood Education, Definitions, Teacher Characteristics, Relationship, Student Characteristics
Early childhood education is defined as group settings which are deliberately intended to effect developmental changes in children in the age range from birth to age of first grade entrance. Parameters of early childhood education are proposed and explored.

71-255 PS
Katz, Lilian G. **Four Questions on Early Childhood Education** *Child Study Journal*, v1 n2, pp.63-71, Winter 1970-1971. 9p. (Journal Article)
Educational Goals, Programs, Teacher Characteristics, Administration, Early Childhood Education
The distinction between academic and intellectual goals, and the qualities of program, teachers, and administrators needed in the field of early childhood education are described.

71-256 PS
Katz, Lillian G. **Teacher-Child Relationships in Day Care Centers, Working Paper** September 1970. 40p. (Paper) ED 046 456 RIE May 1971 MF-$0.65 HC-$3.29
Student Teacher Relationship, Preschool Teachers, Research Reviews (Publications), Teacher Role
Teacher-child relationships are complex phenomena which can be described and observed from a variety of angles, on many different levels. 4 types of teacher functions or duties are defined: material, therapeutic, facilitator, and instructional. Needed research is discussed.

71-257 PS
Lay, Margaret; Dupuyrat, John **Analysis of Early Childhood Programs: A Search For Comparative Dimensions** May 1971. 162p. (Paper) ED 051 877 RIE October 1971 MF-$0.65; HC-$3.29
Early Childhood Education, Program Evaluation, Programs, Comparative Analysis
The following dimensions to be used in analyzing and comparing early childhood programs are proposed and discussed: density, variety, complexity, sequencing, regularity, emergence, uniformity, contrast, pacing, scope and controllability.

71-258 B/C
Manual for Providing Library Services to Indians and Mexican Americans March 1971. 60p. (Manual) ED 047 872 RIE June 1971 MF-$0.65; HC-$3.29
American Indians, Cultural Awareness, Library Education, Library Services, Mexican Americans
The librarians' manual contains criteria for selecting books for Mexican Americans and American Indians, reader's interest and literary-interest forms, criteria for judging library services to rural communities, steps for implementing relevant library services, and lists of bibliographies, supplementary reading materials, and resource materials on Indians and Mexican Americans.

71-259 B/C
Alisa, David M., comp. **Bilingual Education, A Selected Bibliography** December 1970. 228p. (Annotated Bibliography) ED 047 853 RIE June 1971 MF-$0.65; HC-$9.87
Abstracts, Bibliographies, Bilingualism, Bilingual Education, Language Instruction
Compiled to provide access to the latest findings on bilingualism and bilingual education, the bibliography contains 176 relevant Research in Education abstracts and 28 relevant journal citations. Subject indices are included.

71-260 B/C
Alisa, David M., comp. **Mexican American Education, A Selected Bibliography, Supplement Number 1** April 1971. 208p. (Annotated Bibliography) ED 048 981 RIE July 1971 MF-$0.65; HC-$9.87
Abstracts, Bibliographies, English (Second Language), Mexican Americans, Spanish Speaking
Updating the basic bibliography on Mexican American education (ED 031 352 RIE December 1969) this supplement contains approximately 150 abstracts appearing in Research in Education from June 1969 through December 1970. Also cited are 23 relevant journal articles. Subject indices are included.

71-261 B/C
Bardin, Joel L., ed.; And Others **School Personnel Preparation for American Indians: Present State and Needed Steps** May 1971. 76p. (Conference Report) ED 051 078 RIE September 1971 MF-$0.65; HC-$3.29
Teacher Education, Inservice Teacher Education, Preservice Education, American Indians, Teacher Attitudes
After a summary of a workshop for training educational personnel to work with American Indians, papers are presented on (1) meaningful education for Indian students, (2) a conceptual model of a teacher training program for teachers of Indians, and (3) 6 perspectives on Indian Education. 2 excerpts from major research studies are appended. (duplicate to 71-329 SP)

71-262 B/C
Carter, Thomas P. **School Discrimination: The Mexican American Case** April 1971. 20p. (Paper) ED 048 969 RIE July 1971 MF-$0.65; HC-$3.29
Discriminatory Attitudes (Social), Educational Discrimination, Ethnic Stereotypes, Mexican Americans, Socioeconomic Background
The school, often inadvertently and unconsciously, subordinates Mexican Americans and other minority groups by imposing mechanisms such as ability grouping or curricular or extracurricular offerings with middle-class-based goals, academic, or behavioral requirements. This opinion paper provides suggestions for dealing with the mechanisms which perpetuate discrimination.

71-263 B/C
Coombs, L. Madison **The Educational Disadvantage of the Indian American Student** July 1971. 150p. (Literature Review) ED 060 815 RIE November 1971 MF-$0.65; HC-$6.58
Academic Achievement, American Indians, Disadvantaged Youth, Education, Research Reviews (Publications)
This significant research synthesis serves to point out research findings relative to the educationally disadvantaged Indian American student. Disadvantagement is investigated in terms of its nature and magnitude, suggested causes, and proposed remedies. Unresolved issues and problems, such as the controversy at Rough Rock Demonstration School, are also examined.

71-264 B/C
Donaldson, George W. **A Position Paper: Research Utilization in Outdoor Education** September 1970. 13p. (Monograph) ED 042 556 RIE January 1971 MF-$0.65; HC-$3.29
Administrative Problems, Curriculum Design, Outdoor Education, Research Utilization, Teacher Education
Designed as a guide for outdoor education researchers, this paper provides discussion of research needs and priorities in terms of history and philosophy, curriculum and learning, administration, and teacher education. An action program is suggested for augmenting research in the field and for channeling this research into areas of priority concern.

71-265 B/C
Edington, Everett D. **Disadvantaged Rural Youth** *Review of Educational Research*, v40 n1, pp.93-93, February 1971. 17p. (Journal Article)
Rural Youth, Disadvantaged Youth, Student Characteristics
In this research review, characteristics of rural disadvantaged youth--low socioeconomic status, low level of aspiration, attitudes unsupportive of educational progress, and low educational achievement--are discussed in terms of implications for improvement.

71-266 B/C
Edington, Everett D.; Willey, Darrell S. **Occupational Training for America's Forgotten Minority** *Journal of American Indian Education*, v10 n2, pp.15-20, January 1971. 6p. (Journal Article)
Minority Groups, American Indians, Vocational Education
As a result of a national conference conducted to encourage development of vocational education programs for American Indians, follow-up of 11 randomly selected participants was done in terms of implementation of recommendations. Noticeable changes in providing vocational training

programs for Indians had taken place 6 months after the conference.

71-267 RC
Hoelfman, James E.; Nafziger, Alyce E., comps. **Migrant Education, A Selected Bibliography.** Supplement Number 8 June 1970. 44p. (Annotated Bibliography.) ED 040 062. RIE October 1970. MF-$0.65, HC-$3.29.

Abstracts, Bibliographies, Educational Research, Migrant Education, Research Reviews (Publications)

Updating the basic CRESS bibliography on migrant education (ED 028 011, RIE August 1969) this supplement contains approximately 75 Research in Education abstracts. A subject index using ERIC descriptors is provided.

71-268 RC
Hoelfman, James E. **Student Activism—An Overview.** December 1970. 11p. (Literature Review.) ED 049 250. RIE April 1971. MF-$0.65, HC-$3.29.

Activism, Administrative Problems, Rural Schools, Secondary Schools, Student Participation

Methods for bringing about greater student involvement in school affairs, along with handling of different forms of student protest, are offered.

71-269 RC
Hoelfman, James E. **The Volunteer—An Educational Resource.** February 1971. 9p. (Literature Review.) ED 049 981. RIE July 1971. MF-$0.65, HC-$3.29.

Enrichment Activities, Human Resources, Program Descriptions, School Aides, Volunteers

This paper discusses the use of volunteer workers (non-working mothers, senior citizens, university students) as a low-cost educational improvement. In the paper, specific volunteer programs are described, suggestions for teachers working with volunteers are presented and possible activities with which a volunteer might assist are listed.

71-270 RC
Luttrell, Eugene. **Relationship of Power and Authority in Rural Areas.** March 1971. 12p. (Literature Review.) ED 048 980. RIE July 1971. MF-$0.65, HC-$3.29.

Boards of Education, Community Study, Power Structure, Rural Areas, Superintendents, Systems

Methods of obtaining social power and identifying community power holders, the political nature of the school, the superintendent's role, political use of school administration with respect to educational decision-making, and implementation of change and public reaction to that change are explored in terms of the small rural community.

71-271 RC
Lott, Albert D. **A Planner's Reference Guide Relating to Socioeconomic Factors within Appalachia as Applied to Public Education.** December 1970. 89p. (Reference Guide with Narrative.) ED 045 279. RIE April 1971. MF-$0.65, HC-$3.29.

Annotated Bibliographies, Educational Planning, Resource Guides, Rural Education, Rural Population [Appalachia]

90 citations related to planning for change are categorized under 10 headings: delinquency, health services, dropouts, job opportunities, agriculture, labor force, population characteristics, resources, disadvantagement, and related documents. Citations include relevant abstracts from Research in Education (through March 1970) and annotated entries from CRESS local files.

71-272 RC
Lott, Albert D. **Rural and Small School Consolidation—Some Problems and Suggested Procedures.** February 1971. 42p. (Literature Review.) ED 048 979. RIE July 1971. MF-$0.65, HC-$3.29.

Consolidated Schools, Planning, Rural Education, School Reorganization, School District Autonomy

Rural school districts need to look seriously at school consolidation as a strategy for solving educational problems arising from change, technology, and increasing student needs. Thus, redistricting is examined under the headings "Why Consolidate?", "Problems Associated with School Consolidation," and "Suggested Procedures."

71-273 RC
Lott, Albert D. **The USDA of Some Educational Guidance Charges.** 1970. n.p. pp.134-136. December 1970. 4p. (Journal Article)

Occupational Information, High School Students, Audiovisual Aids

Using microfilming, low-cost vocational guidance information specifically designed to meet the needs of high school students who are not likely to earn a college degree is made available to these students through Visual Information for Education and Work (VIEW), which is now operant in Texas high schools.

71-274 RC
McClellan, W. D. **Rural Education in the United States.** September 1970. 34p. (Report.) ED 043 838. RIE February 1971. MF-$0.65, HC-$3.29.

Attitudes, Rural Education, Rural Urban Differences, School Size, Standards

In this status report, rural education—especially as it relates to poverty—criteria of adequacy and needs, persistent critical problems, and promising practices are explored. Ways to expand innovative programs in nonurban schools are also discussed.

71-275 RC
Miller, Peggy L. **School Gardens and Farmyards: Aspects of Outdoor Education.** December 1970. 76p. (Monograph.) ED 047 269. RIE April 1971. MF-$0.65, HC-$3.29.

Curriculum Development, Cooperation, Education, Educational Facilities, Guides, Outdoor Education

Guidelines are given for implementing school gardens, school farms, orchards, and farmyard patches since today's youth are often denied opportunities for meaningful physical work experiences. Such programs are appropriate for students of all grade levels, as well as preschool and handicapped children.

71-276 RC
Nafziger, Alyce E., comp. **American Indian Education, A Selected Bibliography. Supplement Number 1.** October 1970. 11p. (Annotated Bibliography.) ED 044 213. RIE March 1971. MF-$0.65, HC-$6.58.

American Indians, Annotated Bibliographies, Educational Resources, Socioeconomic Influences, Research Reviews (Publications)

Updating the basic CRESS bibliography (ED 030 780) on American Indian education, Part 1 contains 170 relevant Research in Education abstracts. Part 2 contains 81 relevant journal citations. Subject indexes are included.

71-277 RC
Nafziger, Alyce E. **Analysis of Attitude Relative to Education in the Appalachian Region.** January 1971. 10p. (Literature Review.) ED 048 982. RIE July 1971. MF-$0.65, HC-$3.29.

Aspiration, Dropout Characteristics, Education, Attitudes, Family Influence, Rural Areas, [Appalachia]

Shortage and characteristics of Appalachian people are discussed in terms of their educational attitudes and vocational aspirations. It is concluded that educational attitudes of the population are related to level of income, occupational aspiration, and family influence.

71-278 RC
Stout, Larry. **An Overview of Federal Programs and Their Impacts on Appalachia.** February 1971. 21p. (Literature Review.) ED 048 979. RIE July 1971. MF-$0.65, HC-$3.29.

Culturally Disadvantaged, Federal Programs, Regional Programs, Rural Education, Social Change [Appalachia]

Social change in Appalachia, regional education centers, educational cooperation, vocational education, teacher education, and other Federal programs are reviewed.

71-279 RC
Trujillo, Ramon. **Rural Non Westerns: Their Educational and Occupational Aspirations.** January 1971. 26p. (Report.) ED 046 572. RIE May 1971. MF-$0.65, HC-$3.29.

Academic Aspiration, Home Programs, Occupational Aspiration, Rural Family, Socioeconomic Status

In a study to determine if there is a positive relationship between amount of experience in an educational-occupational program and level of educational and occupational aspirations, 200 rural subjects (100 students and 50 adults) were exposed. It was found that a positive relationship does exist.

71-280 RC
Wilson, Alfred P. **Educational Innovation in Rural America.** December 1970. 7p. (Literature Review.) ED 047 256. RIE April 1971. MF-$0.65, HC-$3.29.

Educational Innovation, Federal Programs, Inservice Education, Rural Education, State Programs

The role of rural education, innovative programs which have had major impacts on rural schools, specific innovations which might be implemented in the small school, and a conceptual model of individualized inservice training geared to promoting effective change in the rural setting are discussed.

71-281 RC
Savedge, Wayne E.; Sealine, Mary H., comps. **Guide to Materials for Reading Instruction. (1971 Edition.)** May 1971. 216p. (Bibliography.) ED 048 828. RIE July 1971. MF-$0.65, HC-$9.29.

Reading Level, Reading Materials, Reading Material Selection, Reading Skills, Resource Guides

This guide updates earlier editions and contains approximately 2,300 entries of materials from 114 publishers. Items are described by a classification system that includes (1) designation as basal or non-basal, (2) type (reader, workbook, audio aid, etc.), (3) reading difficulty level, and (4) interest level. Six evaluations are made.

71-282 RC
Farr, Roger, comp. **Measurement of Reading Achievement, An Annotated Bibliography.** April 1971. 66p. (Annotated Bibliography.) ED 049 048. RIE August 1971. MF-$0.65, HC available from International Reading Association, 6 Tyre Ave., Newark, Delaware 19711 ($1.00 to members, $1.50 to nonmembers).

Annotated Bibliographies, Measurement, Measurement Instruments, Reading Tests, Reading Achievement

The articles and reports cited deal with organization, test composition, and environmental factors which affect validity and reliability, and problems of tests of vocabulary, word attack, comprehension, rate, study skills, and other subareas of reading.

71-283 RC
Fay, Leo, comp. **Organization and Administration of School Reading Programs.** January 1971. 83p. (Annotated Bibliography.) ED 048 877. RIE May 1971. MF-$0.65, HC-$3.29.

Annotated Bibliographies, Class Organization, School Administration, School Organization, Reading Programs

Contained in this bibliography are citations and annotations of articles and papers on school organization, classroom organization, administrative and supervisory policies, and organization and administration of special school programs and services. Studies cover the years 1950 to 1969.

71-284 RC
Fay, Leo; Hanna, William. **Bullying in the Reading Challenge.** 1970. 8p. (Journal Article) (1, January 1971 pp. (Journal Article)

Reading Difficulty, Reading Instruction, Reading Programs

The extent of reading deficiency in the United States, and the changes that will have to be made in school practices if the goals of the Right-to-Read program are to be attained are discussed. It is suggested that scores on aptitude tests be used as a prediction of how fast a child will learn, and not of his ultimate achievement.

71-285 RC
Fay, Leo, comp. **Studies: Research Methodology, Summaries, and Application to Annotated Bibliography.** May 1971. 78p. (Annotated Bibliography.) ED 049 023. RIE July 1971. MF-$0.65, HC available from International Reading Association, 6 Tyre Ave., Newark, Delaware 19711 ($1.00 to members, $1.50 to nonmembers).

Reading Instruction, Reading Research, Research Design, Research Reviews (Publications), Annotated Bibliographies

Reading research studies from 1900 to 1969 are selected for inclusion in this bibliography. It is divided into three sections: methodology for the researcher, summaries for the student, and applications for the practitioner.

71-286 RE
[illegible] **Methods of Reading** [illegible]**ted Bibliography** March [illegible] Bibliography) ED 047 930 [illegible] MF-$0.65; HC-available from International Reading Association, 6 Tyre Ave., [illegible], Delaware [illegible]11 ($1.00 to members, [illegible] is nonmembers)
Annotated Bibliographies, Reading, Reading Instruction, Educational Methods, Reading Programs
Contained in this bibliography are citations and annotations of articles published from 1950-1970, in three sections: elementary school reading (constituting the major part of the bibliography), junior and senior high school reading, and college and adult reading.

71-287 RE
[illegible] **Bright Children Can't Read** [illegible] v65 n2, pp.9-11, 36, [illegible] (Journal Article)
Reading Difficulty, Reading Diagnosis, Reading Research
Causes of reading disability in normally-intelligent children are divided into three broad classes: physical, psychological, and educational. Examples of physical causes are hearing or vision difficulties. Psychological factors include timidity, and anxiety. The most important educational factor is the teacher, who may be poorly prepared for teaching reading. Suggestions for remediation are offered.

71-288 RE
Miller, Christine, comp. **Research on Elementary Reading Interests and Tastes** *ERIC/CRIER Reading Survey Series, Bibliography 29,* August [illegible] Bibliography) ED 042 [illegible] January [illegible] MF-$0.65; HC-$6.58
Reading Research, Reading Interests, Bibliographic Citations, Childhood Interests, Annotated Bibliographies
Studies of reader preference are cited which emphasize enumeration or classification of what was read, or discern readers' demands for quality.

71-289 RE
Miller, Catherine G., and Others **Author's Guide and Style Manual to Publications of the ERIC Clearinghouse on Reading. Preliminary Edition** [illegible] (Style Manual) ED 042 [illegible] [illegible]1 MF-$0.65; HC-$3.29
Authors, Guidelines, Publications, Reading, Technical Writing
Part I gives guidelines for identifying topic and audience, treatment of research, and organization for monographs, short interpretive papers, and bibliographies. Part II, the Style Manual, describes manuscript preparation, writing style, preparation of tables, and referencing.

71-290 SE
[illegible] *and Mathematics Education Information Report, General Bibliography Series, Bibliography Number 35,* May 1970. 24p. (Bibliography) ED [illegible] 742 RIE December 1970 [illegible]
Achievement, Academic Achievement, Bibliographies, Mathematics Education, Science Education
Documents related to achievement in science and mathematics are cited. Documents include research reports, journal articles, and other materials. This bibliography supplements, but does not replace, bibliographies 5, 15 and 25 previously released by this center.

71-291 SE
[illegible] *and Mathematics Education Information Report, General Bibliography Series, Bibliography Number 34,* April 1970. 91p. (Bibliography) ED [illegible] 741 RIE December 1970 [illegible]
Bibliographies, Curriculum, Curriculum Development, Mathematics Education, Science Education
Contained in this bibliography are 266 citations of selected documents related to curriculum for science and mathematics education. Documents include research reports, journal articles, textbooks, and other materials. This bibliography supplements, but does not replace, bibliographies 6, 16, and 26 previously released by this center.

71-292 SE
Documents on Science and Mathematics Education in Research in Education, 1969 *Science and Mathematics Education Information Report, Special Bibliography Series, Bibliography Number 2,* August 1970. 52p. (Bibliography) ED 045 389 RIE April 1971 MF-$0.65; HC-$3.29
Bibliographies, Mathematics Education, Science Education
This bibliography includes citations to nearly all documents listed in Research in Education related to science and mathematics education. The bibliography is divided into separate sections for science education and for mathematics education.

71-293 SE
Evaluation and Educational Objectives, Learning Theories and Processes, Research Methodology *Science and Mathematics Education Information Report, General Bibliography Series, Bibliography Number 39,* May 1970. 66p. (Bibliography) ED 050 932 RIE September 1971 MF-$0.65; HC-$3.29
Educational Objectives, Learning, Mathematics Education, Research Methodology, Science Education
The documents cited are concerned with evaluation and educational objectives related to science and mathematics education, learning theories and processes related to science and mathematics education, and research methodology. Documents include research reports, journal articles, and other materials. This bibliography supplements, but does not replace, bibliographies 9, 19, and 29 previously released by this center.

71-294 SE
Instructional Equipment and Materials *Science and Mathematics Education Information Report, General Bibliography Series, Bibliography Number 33,* May 1970. 78p. (Bibliography) ED 043 490 RIE February 1971 MF-$0.65; HC-$3.29
Bibliographies, Instructional Materials, Mathematics Education, Science Equipment, Science Education
Documents related to equipment and materials for teaching science and mathematics are cited. Documents include research reports, journal articles, textbooks, and other materials. This bibliography supplements, but does not replace, bibliographies 3, 13, and 23 previously released by this center.

71-295 SE
Instructional Procedures *Science and Mathematics Education Information Report, General Bibliography Series, Bibliography Number 31,* April 1970. 96p. (Bibliography) ED 047 933 RIE June 1971 MF-$0.65; HC-$3.29
Bibliographies, Instruction
Contained in this bibliography are 428 citations to documents concerning instructional procedures in science and mathematics education. Documents include research reports, journal articles, and textbooks. This bibliography supplements, but does not replace bibliographies 1, 11, and 21 released by this center.

71-296 SE
Legislative Acts and Reports, Administration and Supervision, Science Facilities *Science and Mathematics Education Information Report, General Bibliography Series, Bibliography Number 38,* May 1970. 19p. (Bibliography) ED 043 491 RIE February 1971 MF-$0.65 HC-$3.29
Bibliographies, Legislation, Mathematics Education, Science Education, Supervision
Contained in this bibliography are 53 citations to documents concerned with legislative acts and reports, administration and supervision, and mathematics and science facilities. Documents include research reports, journal articles, textbooks, and other materials. This bibliography supplements, but does not replace, bibliographies 8, 18, and 28 previously released by this center.

71-297 SE
Pacesetters in Innovation, February 1969 *Science and Mathematics Education Information Report, Special Bibliography Series, Bibliography Number 3,* August 1970. 67p. (Bibliography) ED 050 937 RIE September 1971 MF-$0.65; HC-$3.29
Bibliographies, Curriculum, Innovation, Mathematics Education, Science Education [Pacesetters in Innovation]
Citation data and descriptive terms are provided for documents selected from Pacesetters in Innovation arranged in three sections--(1) documents related to science education, (2) documents related to mathematics education, and (3) documents related to both science and mathematics education.

71-298 SE
Science and Society. History of Science and Mathematics Education, Science and Mathematics History, General Studies and Surveys. *Science and Mathematics Education Report, General Bibliography Series, Bibliography Number 37,* May 1970. 41p. (Bibliography) ED 044 271 RIE March 1971 MF-$0.65; HC-$3.29
Bibliographies, Mathematics Education, Science History, Socioeconomic Influences, Science Education
Contained in this bibliography are 48 citations to documents concerning science and mathematics history; history of mathematics education and science education; interaction of science, mathematics and society; and general studies and surveys. Documents include research reports, journal articles, textbooks, and other materials. This bibliography supplements but does not replace, bibliographies 7, 17 and 27 previously released by this center.

71-299 SE
Teacher Characteristics, Student Characteristics *Science and Mathematics Education Information Report, General Bibliography Series, Bibliography Number 40,* April 1970. 22p. (Bibliography) ED 041 492 RIE February 1971 MF-$0.65; HC-$3.29
Bibliographies, Mathematics Teachers, Student Characteristics, Science Teachers, Teacher Characteristics
The documents cited concern teacher characteristics and student characteristics related to teaching and learning science and mathematics. Documents include research reports, journal articles and other materials. This bibliography supplements, but does not replace, bibliographies 10, 20 and 30 released earlier by this center.

71-300 SE
Teacher Education *Science and Mathematics Education Information Report, General Bibliography Series, Bibliography Number 32,* April 1970. 37p. (Bibliography) ED 041 740 RIE December 1970 MF-$0.65; HC-$3.29
Bibliographies, Educational Programs, Mathematics Education, Science Education, Teacher Education
Reported in this bibliography are some 132 citations of selected documents related to education of science and mathematics teachers. Documents include research reports, journal articles, textbooks, and other materials. This bibliography supplements, but does not replace, bibliographies 2, 12, and 22 previously released by this center.

71-301 SE
Teacher Resource Materials *Science and Mathematics Education Information Report, General Bibliography Series, Bibliography Number 36,* May 1970. 119p. (Bibliography) ED 050 931 RIE September 1971 MF-$0.65; HC-$6.58
Bibliographies, Mathematics Education, Reference Materials, Resource Materials, Science Education
Documents cited relate to resource materials for teaching and learning science and mathematics. Documents include research reports, journal articles, textbooks, and other materials. This bibliography supplements, but does not replace, bibliographies 6, 16, and 26 previously released by this center.

71-302 SE
Ausubel, David P. **The Use of Ideational Organizers in Science Teaching** *Occasional Paper, Number 3,* March 1970. 21p. (Paper) ED 050 930 RIE September 1971 MF-$0.65; HC-$3.29
Cognitive Processes, Curriculum, Learning, Learning Theories, Theories
This paper was presented at the 43rd annual meeting of NARST. The nature and theoretical rationale for the use of ideational organizers presented prior to learning tasks to aid in anchoring new concepts in the learner's cognitive structure are explained. The paper was sponsored jointly by NARST and the ERIC Clearinghouse for Science, Mathematics and Environmental Education.

71-303 SE
Crosswhite, F. Joe; Higgins, Jon, eds. **Research Reporting Sections, National Council of Teachers of Mathematics. Annual Meeting (49th, Anaheim, California, April 14-17, 1971)** 37p. (Conference Report) ED 049 920 RIE August 197 MF-$0.65; HC-$3.29
Abstracts, Conference Reports, Mathematics Education, Research
Abstracts of research reports presented at the Research Reporting Sections at the 1971 National Conference of the National Council of Teachers of Mathematics are included. Topics include concept formation, instruction, learning, teacher behaviors, and evaluation.

71-304 SE
Gallagher, James **A Summary of Research in Science Education for the Years 1968-69, Elementary School Level** *Research Review Series, Science Paper Number 6, June* 1971. 70p. (Literature Review) ED 050 999 RIE September 1971 MF-$0.65; HC-$3.29
Cognitive Development, Elementary School Science, Instruction, Research Reviews (Publications), Teacher Education
Research related to teaching and learning elementary school science for the period 1968-69 is reviewed.

71-305 SE
Glass, Eugene V. **The Wisdom of Scientific Inquiry on Education** *Science Education Information Reports, Occasional Paper Series, Science Paper Number 4,* July 1971. 26p. (Paper) ED 052 967 RIE November 1971 MF-$0.65; HC-$3.29
Curriculum Development, Research Methodology, Science Education
This paper reviews research designs and suggests promising approaches for future research.

71-306 SE
Howe, Robert W.; Blosser, Patricia, eds. **National Association for Research in Science Teaching 44th Annual Meeting, Abstracts of Presented Papers** February 1971. 247p. (Abstract Journal) ED 051 000 RIE September 1971 MF-$0.65; HC-$9.87
Attitudes, Curriculum, Evaluation, Learning, Research Methodology
Included in this journal are abstracts of nearly all research reports presented at the National Conference of the National Association for Research in Science Teaching. Abstracts are grouped as presented at the conference and include such topics as instruction, concept formation, teacher education, and evaluation.

71-307 SE
Lindsay, R. Bruce **A Unified Approach to Science Teaching** March 1970. 14p. (Paper) ED 039 133 RIE September 1970 MF-$0.65; HC-$3.29
Curriculum, Fused Curriculum, Instruction, Science Education
Address presented at the 43rd annual meeting of the National Association for Research in Science Teaching and published in Journal of Research in Science Teaching, 7:209-215, 1970. Suggests the introduction into advanced secondary school and elementary college programs of courses of study which emphasize science as a method for the description, creation and understanding of all aspects of human experience. Sponsored jointly by NARST and the Science and Mathematics Education Information Analysis Center.

71-308 SE
Lovell, Kenneth **Intellectual Growth and Understanding Mathematics. Mathematics Education Reports** February 1971. 25p. (Paper) ED 049 069 RIE July 1971 MF-$0.65; HC-$3.29
Learning Processes, Mathematical Concepts, Mathematics Instruction, Research Reviews (Publications) [Piaget (Jean)]
25 years of Piaget research in intellectual growth as it pertains to the learning and understanding of mathematics is reviewed. An extensive bibliography is included.

71-309 SE
Lucas, Arthur **The Australian Secondary School Project** June 1971. 13p. (Report) ED 062 107 RIE August 1972 MF-$0.65; HC-$3.29
Curriculum Development, Educational Objectives, Instructional Units, Program Descriptions, Secondary School Science
Current developmental efforts of the Australian Secondary School Science Project are described.

71-310 SE
Siegelman, Irwin **Research in Science Education and the Development of Instructional Materials** March 1971. 26p. (Paper) ED 064 037 RIE October 1972 MF-$0.65; HC-$3.29
Instructional Materials, Research, Science Education
Important relationships between research and development of instructional materials are reviewed.

71-311 SE
Suydam, Marilyn N.; Weaver, Fred **Mathematics and the Disadvantaged** February 1971. 8p. (Literature Review) ED 051 001 RIE September 1971 MF-$0.65 HC-$3.29
Disadvantaged Youth, Elementary School Mathematics, Low Achievers, Mathematics Instruction, Research Reviews (Publications)
This literature review summarizes research related to mathematics for disadvantaged students and indicates implications for instruction.

71-312 SE
Suydam, Marilyn N.; Weaver, J. Fred **The Research from 1970. What Did *it* Add? Using Research: A Key to Elementary School Mathematics** February 1971. 8p. (Literature Review) ED 049 078 RIE July 1971 MF-$0.65; HC-$3.29
Elementary School Mathematics, Mathematics Education, Literature Reviews
A review of the research reported in 1970, which might be used by the elementary teacher in facilitating mathematics education is presented.

71-313 SE
Suydam, Marilyn N. **Research in Elementary School Mathematic--1970: Annotated List of Research References. Mathematics Education Reports** April 1971. 50p. (Annotated Bibliography) ED 049 079 RIE July 1971 MF-$0.65; HC-$3.29
Bibliographies, Educational Research, Elementary School Mathematics, Mathematics Education, Literature Reviews
A compilation of research reports completed during 1970 related to teaching and learning elementary school mathematics is listed. Each annotation contains the major conclusions of the research, the age or grade level of subjects, the unit of analysis, and the number of units of analysis in the study.

71-314 SE
Suydam, Marilyn N. **Teaching Mathematics to Disadvantaged Pupils: A Summary of Research. Mathematics Education Reports** April 1971. 68p. (Literature Review) ED 049 934 RIE August 1971 MF-$0.65; HC-$3.29
Bibliographies, Educationally Disadvantaged, Mathematics Education, Mathematics Instruction, Research Reviews (Publications)
This literature review summarizes research concerning teaching mathematics to disadvantaged students, and contains an extensive bibliography on the topic.

71-315 SE
Tanner, James **Models and Research in Science Education Curriculum Development** *Science Education Information Reports, Occasional Paper Series, Science Paper 5,* July 1971. 16p. (Paper) ED 052 968 RIE November 1971 MF-$0.65; HC-$3.29
Research, Science Education
The contributions of research and curriculum development to the solution of practical school problems are reviewed, and criteria for assessing relevant research and curriculum development are identified.

71-316 SE
Theiss, Frances C. **Science and Mathematics for Young Children: An Annotated Bibliography** *Science and Mathematics Education Information Report, Special Bibliography Series, Bibliography Number 4,* August 1970. 42p. (Annotated Bibliography) ED 050 938 RIE September 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Developmental Psychology, Elementary Education, Mathematics Education, Science Education
Presented in the bibliography are citations and annotations for selected references related to science and mathematics for young children. This is a revision of ED 033 259 RIE March 1970 and includes references published in 1969.

71-317 SE
Welch, Wayne **A Summary of Research in Science Education For the Years of 1968-69 Secondary School Level** *Science and Mathematics Education Information Report, Research Review Series, Science Paper Number 7,* June 1971. 66p. (Literature Review) ED 052 051 RIE October 1971 MF-$0.65; HC-$3.29
Research, Research Reviews (Publications), Science Education, Secondary School Science
Research related to teaching and learning secondary school science for the period 1968-69 is reviewed.

71-318 SO
Binkley, Joanne **Off the African Shelf: An Annotated Bibliography on Society and Education** *Reference Series, Number 1,* 1970. 39p. (Annotated Bibliography) ED 044 349 RIE March 1971 MF-$0.65 HC-$3.29
African Culture, African History, Annotated Bibliographies, Curriculum Guides, Teaching Guides [Africa]
A large proportion of the 39 items, drawn from RIE and CIJE are teaching guides and curriculum materials for elementary and secondary courses including study of Africa. Also listed are bibliographies, resource guides, reports of education in Africa, purpose and general structure of African studies in the curriculum, and information about Africa.

71-319 SO
Ervin, Sharon B. **Everyman's Guide: An ERIC Search System for Social Studies Teachers, Consultants, and Librarians** *Reference Series, Number 2,* April 1971. 16p. (Guide) ED 049 960 RIE August 1971 MF-$0.65; HC-$3.29
Autoinstructional Aids, Information Retrieval, Information Utilization, Search Strategies, Social Studies [Education Resources Information Center]
There are 4 phases and one optional phase in this self-instruction guide: "Problem Statement," "Subject Index Search," "Review of the Document Resumes," "Finding the Documents," and using ERIC thesauri. Subscription or ordering information for RIE, CIJE, ERIC microfiche or hard copy, and thesauri is included.

71-320 SO
Helburn, Suzanne W. **Preparing to Teach Economics: Sources and Approaches** *Interpretive Series, Number 2,* April 1971. 27p. (Paper) ED 049 997 RIE August 1971 MF-$0.65; HC-$3.29
Consumer Economics, Decision Making Skills, Economic Education, Fundamental Concepts, Social Studies [Textbook Oriented Instruction]
This is a tip sheet for teachers setting up a high school course in economics. Included are suggestions for fitting it into the curriculum, good introductory books on economics, suggestions for a textbook-oriented course, agencies with helpful materials, and a bibliography of reference and library materials.

71-321 SO
Henderson, Martha T. **Environmental Education: Social Studies Sources and Approaches** *Review Series, Number 1,* October 1970. 43p. (State-of-the-Art Review) ED 042 062 RIE January 1971 MF-$0.65; HC-$3.29
Cultural Awareness, Environmental Education, Projects, Resource Materials, Social Studies
Elementary and secondary social studies teachers are alerted to new approaches to projects and materials in environmental education. Included are descriptions of programs which encourage individual inquiry, emphasize interaction between man and his environment, utilize the local environment or community, and, programs emphasizing "man in society"-- the study of values, and related political, social, economic, legal and ethical ideas.

71-322 SO
Hertzberg, Hazel W. **Historical Parallels for the Sixties and Seventies: Primary Sources and Core Curriculum Revisited** *Interpretive Series, Number 1,* April 1971. 30p. (Paper) ED 051 066 RIE September 1971 MF-$0.65; HC-$3.29
Core Curriculum, Educational History, Educational Trends, Social Sciences, Social Studies [Social Studies History]
The author is intent on alerting curriculum developers to cyclical elements in social studies trends during the last 90 years. She reviews the 2 most pervasive national movements at the

secondary level. Sources cited are annotated in a 6-page bibliography.

71-323 SO
Turner, Mary Jane **Materials for Civics, Government, and Problems of Democracy: Political Science in the New Social Studies** April 1971. 211p. (State-of-the-Art Review) ED 048 071 RIE June 1971 MF-$0.65; HC-available from Social Science Education Consortium, Inc., 970 Aurora Avenue, Boulder, Colorado 80302. (Clothbound $5.95; Paperbound $3.95)
Course Descriptions, Directories, Political Science, Projects, Social Science
A review of 49 packages developed by 42 curriculum development projects in the new social studies is presented in text and chart form. Data include availability and cost, nature of content and educational objectives, teaching strategies, appropriateness for varying teaching-learning situations, and evaluation.

71-324 SP
Barbour, Chandler, comp. **School-College Relations in Preparing School Personnel: A Bibliography** February 1971. 32p. (Annotated Bibliography) ED 048 122 RIE June 1971 MF-$0.65; HC-$3.29
Teacher Education, College School Cooperation, Team Teaching, Internship Programs, Supervisory Activities
Although this updates an earlier bibliography developed by Helen Suchara, the new material is so extensive that it can be regarded as essentially a new publication. The 140 entries are divided into 4 sections.

71-325 SP
Burdin, Joel L.; And Others, eds. **Accreditation and Evaluation of Basic Teacher Education Programs: Research Problems and Prospects** May 1971. 70p. (Collection of Speeches) ED 050 021 RIE August 1971 MF-$0.65; HC-$3.29
Accreditation (Institutions), Standards, Research Needs, Teacher Education
The 5 papers collected in this document were delivered at the 1970 American Educational Research Association symposium sponsored by the Special Interest Groups on Teacher Preparation Curriculum. All 5 focus on developing a research base for teacher education standards, in particular for the Recommended Standards for Teacher Education by the American Association of Colleges for Teacher Education.

71-326 SP
Burdin, Joel L.; And Others, eds. **Comprehensive Proposals for Teacher Education: A Concise Guide Derived from Donald R. Cruickshank's Study of Proposals for Second-Phase Comprehensive Elementary Teacher Education Models Project** April 1971. 48p. (Summary) ED 049 165 RIE July 1971 MF-$0.65; HC-$3.29
Teacher Education, Teacher Education Curriculum, Elementary School Teachers, Models, Teaching Models [Comprehensive Elementary Teacher Education Models]
This review of 27 Phase-2 proposals for the CETEM program reveals, in part, that most applicants were state colleges and universities, that they varied in their responses to guidelines, and that they found the Phase-1 work of Michigan State, Syracuse, Massachusetts, and Florida State most useful.

71-327 SP
Burdin, Joel L.; Reagan, Margaret T., eds. **Performance-Based Certification of School Personnel** April 1971. 132p. (Conference Report) ED 049 152 RIE July 1971 MF-$0.65; HC-$6.58
Teacher Certification, Performance Criteria, Standards, Staff Utilization, State Departments of Education
The 1970 Miami Beach Training Session for National Leaders in Teacher Education was conducted by the Florida Department of Education on the invitation of the U.S. Office of Education to consider the techniques needed for using performance criteria to determine an individual's ability to perform as a teacher in public schools and thus qualify for certification.

71-328 SP
Burdin, Joel L.; Reagan, Margaret T., eds. **Preparing School Personnel for American Indians: Some Exploratory Questions and Responses with an Annotated Bibliography** ED 045 560 RIE April 1971 MF-$0.65; HC-$3.29
American Indians, American Indian Culture, Biculturalism, Cultural Differences, Minority Groups
Topics discussed include current conditions in Indian education, the desirable objectives in Indian education, the special needs in the education of teachers for Indian schools, the need for instructional materials which will be meaningful to the students, the organization, research, and financing involved in building an effective educational program. An 80-item bibliography is divided into 6 sections.

71-329 SP
Burdin, Joel L.; And Others, eds. **School Personnel Preparation for American Indians: Present State and Needed Steps** May 1971. 76p. (Conference Report) ED 051 074 RIE September 1971 MF-$0.65; HC-$3.29
Teacher Education, Inservice Teacher Education, Preservice Education, American Indians, Teacher Attitudes
After a summary of a workshop for training educational personnel to work with American Indians, papers are presented on (1) meaningful education for Indian students, (2) a conceptual model of a teacher training program for teachers of Indians, and (3) 6 perspectives on Indian education. 2 excerpts from major research studies are appended. (duplicate to 71-261 RC).

71-330 SP
Lieberman, Alvin F. **Paving the Paradox: Assuring Quality in School Personnel Preparation** March 1971. 17p. (Monograph) ED 048 125 RIE June 1971 MF-$0.65; HC-$3.29
Teacher Certification, Teacher Participation, Standards
Despite recent calls for changes in teacher certification, there are many questions to be considered before changes are made. Accountability and performance criteria are steps, but such approaches need further consideration in order to develop rationale and workable procedures. Teacher control of entry into the profession is another change being demanded.

71-331 SP
Matheson, Moira B.; Tatis, Rita M., comps. **Multicultural Education: A Selected Annotated Bibliography** September 1970. 14p. (Annotated Bibliography) ED 043 572 RIE February 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Cultural Pluralism, Education
70 documents dealing with cultural differences and cross-cultural educational problems on the elementary-secondary-collegiate level are listed. It does not include material on the economically disadvantaged or inner city problems as such. Most items are dated 1968 or 1969.

71-332 SP
Matheson, Moira B.; Tatis, Rita M., comps. **Social Change and Teacher Education: An Annotated Bibliography** August 1970. 29p. (Annotated Bibliography) ED 043 558 RIE February 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Social Change, Teacher Education
Listed in this annotated bibliography are 137 published and unpublished documents, the majority of them dated between 1967 and 1969. Included are research reports, program descriptors, addresses, articles, and conference papers.

71-333 SP
Matheson, Moira B.; Tatis, Rita M., comps. **Understanding Disadvantaged Youth: Their Problems and Potentials, An Annotated Bibliography** October 1970. 22p. (Annotated Bibliography) ED 044 380 RIE March 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Disadvantaged Youth, Educationally Disadvantaged
Most of the 102 citations contained in this annotated bibliography are dated between 1968 and 1970. Materials were selected from those processed by ERIC; each entry includes information on microfiche and hardcopy availability.

71-334 SP
Olsen, Hans C. **School-College Relations in Preparing School Personnel** February 1971. 51p. (Monograph) ED 048 124 RIE June 1971 MF-$0.65; HC-$3.29
Teacher Education, College School Cooperation, Internship Programs, Regional Cooperation, State School District Relationship
This monograph analyzes the current situation in the school-college relationship in preparing school personnel and suggests some future developments. The growth of this cooperation is traced, the rationale for cooperation is examined, some of the current issues and problems, as well as promising developments, considered, and four probable future developments are identified.

71-335 SP
Pollakoff, Lorraine, comp. **The Disadvantaged. Part 2 of a Bibliographic Series on Meeting Special Educational Needs** October 1970. 36p. (Classified Bibliography) ED 044 382 RIE March 1971 MF-$0.65; HC-$3.29
Bibliographies, Disadvantaged Youth
Cited in this bibliography on the disadvantaged are 165 documents acquired and processed by the ERIC Clearinghouse on Teacher Education from July 1968 to December 1969. It is the second part of a 5-part bibliography focusing on the kinds of preparation programs which enable school personnel to serve the special educational needs of all the people.

71-336 SP
Pollakoff, Lorraine, comp. **Ethnic Groups: Negroes, Spanish Speaking, American Indians, and Eskimos. Part 4 of a Bibliographic Series on Meeting Special Educational Needs** October 1970. 29p. (Classified Bibliography) ED 044 384 RIE March 1971 MF-$0.65; HC-$3.29
American Indians, Eskimos, Bibliographies, Ethnic Groups, Negroes, Spanish Speaking
This is Part 4 of a 5-part bibliography focusing on the kinds of preparation programs which enable school personnel to serve the special educational needs of all the people. As do the citations in each of the other parts, the 117 citations here include the descriptors used to index the document and information regarding availability of the document from the original publisher or through the Educational Resources Information Center.

71-337 SP
Pollakoff, Lorraine, comp. **Individualized Instruction. Part 1 of a Bibliographic Series on Meeting Special Educational Needs** October 1970. 23p. (Classified Bibliography) ED 044 381 RIE March 1971 MF-$0.65; HC-$3.29
Individualized Instruction, Bibliographies
Cited in this bibliography are 80 documents acquired and processed by the ERIC Clearinghouse on Teacher Education from July 1968 until December 1969. It is organized in terms of document type: bibliography, manual, program, research, review, conference reports and speeches. It is the first part of a 5-part bibliography focusing on the kinds of preparation programs which enable school personnel to serve the special educational needs of all the people.

71-338 SP
Pollakoff, Lorraine, comp. **Preparing School Personnel: Early Childhood Education** September 1970. 12p. (Classified Bibliography) ED 043 561 RIE February 1971 MF-$0.65; HC-$3.29
Bibliographies, Early Childhood Education, Preschool Education, Preprofessional School Personnel, Teacher Education
Contained in this bibliography are 25 citations of published and unpublished documents ranging from 1964 through 1969 on "the means and and methods by which school personnel are prepared to work with preschool age children in such settings as Head Start Programs and nursery and kindergarten classes."

71-339 SP
Pollakoff, Lorraine, comp. **Some Selected Topics. Part 5 of a Bibliographic Series on Meeting Special Educational Needs** October 1970. 21p. (Classified Bibliography) ED 044 385 RIE March 1971 MF-$0.65; HC-$3.29
Bibliographies, Intergroup Education, Migrants, Minority Groups, Rural Education
Part 5 of the 5-part bibliography on the kinds of preparation programs which enable school personnel to serve the special educational needs of all

the people includes the following subheads: rural and migrant people, intergroup education, gifted people, compensatory education, dropouts, veterans, delinquents, psychologically and physiologically handicapped, junior college education, off-campus education, and international education.

71-340 SP
Polinkoff, Lorraine, comp. **Structured Practice in Teaching: A Bibliography of ERIC Documents** February 1971. 77p. (Classified Bibliography) ED 048 125 RIE June 1971 MF-$0.65, HC-$3.29
Teacher Education, Preservice Education, Inservice Teacher Education, Teacher Experience, Field Experience Programs
This 616-item bibliography contains citations of published and unpublished documents and journal articles processed by the Clearinghouse between July 1966 and June 1970 related to the "means and methods by which pre- and in-service school personnel can secure structured practice in developing skills and insights."

71-341 SP
Polinkoff, Lorraine, comp. **Urban Society, Part 3 of a Bibliographic Series on Meeting Special Educational Needs** October 1970. 20p. (Classified Bibliography) ED 044 383 RIE March 1971 MF-$0.65, HC-$3.29
Bibliographies, Urban Education
This is the third of a 5-part bibliography focusing on the kinds of preparation programs which enable school personnel to serve the special educational needs of all the people. It cites 111 documents.

71-342 SP
Tatta, Rita M. **A Report on the Utilization of the Computer Program, QUERY, by the ERIC Clearinghouse on Teacher Education** October 1970. 37p. (Report) ED 045 989 RIE April 1971 MF-$0.65, HC-$3.29
Information Retrieval, Computer Programs, Performance
This paper reports the results of the testing and use of a batch-mode program, QUERY, in 3 large computer runs performed by the ERIC Clearinghouse on Teacher Education from March through August 1970. Focus is on the behavior of QUERY as a search tool, not on cost benefit analysis or comparison with alternative search tools.

71-343 TE
Harvey, Linda, comp. **Elective English Programs in Junior and Senior High Schools, Eleven Program Descriptions** April 1971. 114p. (Program Descriptions) ED 049 287 RIE July 1971 MF-$0.65, HC-$6.58
Elective Subjects, English Programs, Program Descriptions
11 program outlines of elective English curriculum for grades 7-12 are collected in this package to serve as a convenient resource of examples of a variety of elective programs in English.

71-344 TE
Harvey, Robert C.; Denby, Robert V., comps. **Human Relations in the Schools, Sensitivity Training, and Self-Image Enhancement** September 1970. 9p. (Annotated Bibliography) ED 048 038 RIE March 1971 MF-$0.65, HC-$3.29
Annotated Bibliographies, Human Relations, Research, Self Concept, Sensitivity Training
Abstracts of 119 ERIC documents on human relations activities for the schools, including sensitivity training and self image enhancement activities are presented.

71-345 TE
Harvey, Robert C.; Denby, Robert V. **Life at an Early Age: Nourishing Self-Concept in the Classroom** *Elementary English*, v47 n7, pp.993-1001, November 1970. 9p. (Literature Review)
Self Concept, Teacher Role, Intergroup Education, Student Attitudes, Language Arts
This interpretive summary reviews current literature on the nature and importance of self-image enhancement and then describes several ERIC documents that discuss the problem and/or give guidance on the development of programs to aid in self-image enhancement.

71-346 TE
Harvey, Robert C.; Denby, Robert V. **On Classroom Teacher-Pupil Relations** *Elementary English*, v47 n8, pp.1123-1136, December 1970. 14p. (Literature Review)
Student Teacher Relationship, Human Relations, Teacher Responsibility, Cross Cultural Training, Teacher Attitudes
This interpretive summary reviews current literature on the need for human relations training for teachers and on the nature of various kinds of human relations activities (including "sensitivity training") and describes several ERIC documents that can guide the development of human relations activities for language arts teachers.

71-347 TE
Harvey, Robert C.; Denby, Robert V. **A Reference Shelf for Curriculum Planning, Part I: Perspectives** *English Journal*, v59 n8, pp.1175-1185, November 1970. 9p. (Literature Review)
English Curriculum, Curriculum Development, Curriculum Planning, Educational [illegible]
Significant events in the theory of English instruction in the last decade are discussed, and documents that can provide both historical and current awareness-providing, altogether, a perspective from which English teachers can view their own curriculum planning are cited.

71-348 TE
Harvey, Robert C. **Teaching ERIC** *English Education*, v2 n3, pp.29-30, November 1970. 6p. (Journal Article)
Educational Resources, Teacher Education, Instructional Materials, English Education [Educational Resources Information Center]
Presented in this article are various ways the ERIC system can be taught to prospective English teachers, and how students can make the best use of ERIC products even while they are students.

71-349 TE
Kimick, B. Jo., comp. **Basic Annotated Bibliography on Creative Writing** September 1970. 9p. (Annotated Bibliography) ED 049 257 RIE July 1971 MF-$0.65, HC-$3.29
Annotated Bibliographies, Creative Writing, English Instruction
The 27 books and articles cited in this bibliography can aid teachers at all levels to make creative writing integral to English teaching and part of every student's experience.

71-350 TE
Kirkton, Carole M. **Class Discussion and the Craft of Questioning** *English Journal*, v60 n3, pp.408-413, 421, March 1971. 7p. (Literature Review)
Classroom Communication, Questioning Techniques, Teaching Methods, Teacher Role
The current literature discussing the theory of the importance of class discussion in the learning process is reviewed and several ERIC documents on the subject are described.

71-351 TE
Kirkton, Carole M. **Classroom Dramatics: Developing Oral Language Skills** *Elementary English*, v48 n2, pp.204-361, February 1971. 8p. (Literature review)
Oral Expression, Dramatics, Speech Skills, Elementary School Students, Teaching Techniques
The current theory on the importance of oral language practice in developing linguistic competence among elementary school children is reviewed and several ERIC documents on the subject are described.

71-352 TE
Kirkton, Carole M. **An ERIC Guide to Microteaching Evaluation** *English Education*, v2 n3, pp.142-149, May 1971. 8p. (Journal Article)
Microteaching, Educational Resources, Program Evaluation, Teacher Education [Educational Resources Information Center]
Using several ERIC documents that deal with effectiveness of microteaching, this article demonstrates the use of the ERIC system to professors of English education.

71-353 TE
Kirkton, Carole M. **Language Acquisition and Development: Some Implications for the Classroom** *Elementary English*, v48 n3, pp.406-412, March 1971. 7p. (Literature Review)
Child Language, Language Development, Behavioral Science Research
The current literature is reviewed in this summary in order to inform language arts teachers of some of the recent findings in research into language acquisition and development and to indicate some of the implications of that research for the teaching of reading and writing and for the selection of textbooks. Several ERIC documents that provide further guidance are also described.

71-354 TE
Kirkton, Carole M. **Learning to Write: Steps in the Process** *Elementary English*, v48 n4, pp.303-311, April 1971. 9p. (Literature Review)
Writing Skills, Composition (Literary), Composition Skills (Literary), English Instruction, Elementary School Students
The findings of recent research as to the stages of development in children's writing are reviewed, and several ERIC documents that will assist teachers in capitalizing on what is known about how children learn to write as they are peer teaching other children is described.

71-355 TE
Kirkton, Carole M. **The Play's the Thing: Theatre and Dramatic Arts in Secondary Schools** *English Journal*, v60 n4, pp.533-539, April 1971. 7p. (Literature Review)
Drama, Dramatics, Secondary Education, Theater Arts
The current theory about the function of dramatic arts in the language arts programs of secondary schools is reviewed, and several documents are cited which suggest how those theories can be put into practice.

71-356 TE
Kirkton, Carole M. **Reading to Teach: Summer as Professional Lit.** *English Journal*, v60 n5, pp.670-677, May 1971. 8p. (Literature Review)
Inservice Teacher Education, Reading Materials, English Education, Educational Change, Educational Problems
The effectiveness of outside reading on improving teaching performance is reviewed, and several recent books (announced through ERIC) are recommended for inservice and preservice teacher education.

71-357 TE
Kirkton, Carole M. **A Reference Shelf for Curriculum Planning, Part II: Elective English** *English Journal*, v59, n9, pp. 1306-1312, December 1970. 7p. (Literature Review)
Curriculum Planning, English Curriculum, Elective Subjects, Secondary Education, Program Descriptions
The rationale for and the components of phase-elective English programs is discussed, and documents that can provide further guidance and additional resource material for developing and implementing phase-elective English programs in secondary schools are described.

71-358 TE
Kirkton, Carole M. **A Reference Shelf for Curriculum Planning: Part III--Behavioral Objectives** *English Journal*, v60 n1, pp.142-150, January 1971. 9p. (Literature Review)
Teacher Attitudes, Behavioral Objectives, English Instruction, Course Objectives, Curriculum Planning
The advantages and disadvantages of writing behavioral objectives for English instruction are reviewed, and several ERIC documents that can provide additional guidance and resource material are described.

71-359 TE
Kirkton, Carole M. **Summer Read-in: Professional Lit.** *Elementary English*, v48 n5, pp.563-570, May 1971. 8p. (Literature Review)
Inservice Teacher Education, Reading Materials, English Education, Educational Change, Educational Problems
The effectiveness of outside professional reading on improving teaching performance is reviewed, and several books are recommended for inservice and preservice education for elementary teachers.

71-360 TE
Kubicek, Linda A., comp. **Elective English Programs in Junior and Senior High Schools** September 1970. 125p. (Program Descriptions) ED 041 182 RIE December 1970 MF-$0.65; HC-$6.58
Elective Subjects, English Programs, Program Descriptions
14 program outlines of elective English curriculums, representing 13 school systems, are collected in one package to serve as a convenient resource for examples of elective programs in English--2 junior high school programs and 12 programs from senior high schools.

71-361 TE
Larson, Richard L. **The Evaluation of Teaching College English** May 1971. 101p. (Monograph) ED 042 268 RIE July 1971 MF-$0.65; HC-$6.58
English Departments, English Instruction, Humanities, Faculty Evaluation, Colleges
A review of theory and various procedures of evaluation as reflected in the professional literature and in correspondence from chairmen of departments of English and the Humanities is presented. This monograph also contains appendices of samples of different types of evaluation forms, and a selected bibliography.

71-362 TE
Malkoc, Anna Maria; Roberts, A. Hood **Bi-Dialectalism: A Special Report from CAL/ERIC** *Elementary English*, v48 n1, pp.125-136, January 1971. *English Journal*, v60 n2, pp.279-288, February 1971. 10p.] (Literature Review)
Standard Spoken Usage, TENL, Teaching Methods, English Instruction, Elementary School Students
Current literature on the advantages of teaching English as a second "dialect" to pupils in the elementary grades is reviewed, and several ERIC documents that give practical guidance to the elementary English teacher are described.

71-363 TE
O'Donnell, Bernard **Priority Projects for the Teaching of English: 1970** *English Journal*, v59 n6, pp.868-874, 868-874, September 1970. *Elementary English*, v47 n6, pp.769-776, October 1970. 7p. (Journal Article)
English Instruction, Research Needs, Educational Needs, Information Needs
This article acquaints the English-teaching profession with the results of NCTE/ERIC's 6-month (Jan.-June 1970) survey to identify priority needs in the profession. It lists and describes projects in research and in information analysis which would meet needs in teaching reading, instructing the disadvantaged, and educating young children.

71-364 TE
Scannell, William J., ed. **Recommended English Curriculum Guides K-12 and Criteria for Planning and Evaluation** November 1970. 35p. (Annotated Bibliography) ED 044 419 RIE March 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Curriculum Guides, Elementary Education, Secondary Education, English Instruction
Informative and evaluative annotations for 33 elementary and secondary curriculum guides are provided. These guides, reviewed and recommended in 1966-1967, are presented to provide models for schools and agencies in developing curricula and in writing guides.

71-365 TE
Sheldon, William D.; And Others **A Summary of Investigations Relating to the English Language Arts in Elementary and Secondary Education: 1969** April 1971. 48p. (Literature Review) ED 049 266 RIE July 1971 MF-$0.65; HC-$3.29
Elementary Education, Secondary Education, Reading Instruction, Research Reviews (Publications), English Instruction
Part 1 of this report presents a summary of 111 research studies relating to language arts in elementary education in 1969; Part 2 summarizes the results of research reported in 100 journals in 1969 on the teaching of English in secondary schools.

71-366 TE
Thiess, Carolyn W.; Butler, Donna L., eds. **ERIC documents on the Teaching of English. Volume 4: January-June 1970** September 1970. 77p. (Bibliography) ED 043 645 RIE February 1971 MF-$0.65; HC-$3.29
Bibliographies, English Curriculum, English Instruction, Instructional Materials
Listed in this bibliography are 1138 documents and journal articles of interest to teachers of English, all processed by ERIC and announced in RIE or indexed in CIJE from January through June 1970. The entries are classified under 14 subject headings and indexed by author.

71-367 TM
Jackson, Rex **Developing Criterion-Referenced Tests** June 1970. 18p. (Paper) ED 041 052 RIE November 1970 MF-$0.65; HC-$3.29
Criterion Referenced Tests, Measurement Techniques, Test Construction, Tests
Present definitions of the criterion-referenced test are discussed, insufficiences noted and a new definition proposed. Some examples of criterion-referenced tests are examined and used to deduce some general principles for the development of such tests. Problems and doubts with regard to the development of criterion-referenced tests for complex behavior domains are noted and in addition, some empirical methods for dealing with item analysis, test reliability, and test validity difficulties are advanced.

71-368 UD
Baronberg, Joan **Black Representation in Children's Books** *ERIC-IRCD Urban Disadvantaged Series, Number 21*, May 1971. 27p. (Paper) ED 050 188 RIE August 1971 MF-$0.65; HC-$3.29
Negro Stereotypes, Childrens Books, Childhood Attitudes, Elementary Grades, Negro Literature, Reading Materials, Racial Attitudes
This paper considers evidence for the "birth," development, and incidence of racial attitudes in children, and reviews the nature and extent of the appearance of blacks in children's books. Included is an annotated bibliography of 56 books with recommended items asterisked.

71-369 UD
Esposito, Dominick **Structure and Function: A Behavioral and Systemic Interpretation** *ERIC-IRCD Urban Disadvantaged Series, Number 20*, May 1971. 118p. (Paper) ED 050 187 RIE August 1971 MF-$0.65; HC-$6.58
Ability Grouping, Socioeconomic Influences, Behavioral Science Research, Models, Classroom Environment, Systems Approach
This paper presents: (1) evidence which indicates that in a relatively desegregated school setting, the practice of assigning students according to homogeneous ability grouping tends to separate them along ethnic and socioeconomic dimensions, and (2) a theoretical discussion of the process underlying the interrelationships between structure and functional characteristics of objects interacting in an environment.

71-370 UD
Goldstein, Ellen R., comp. **Principal Sources for the Study of the Mutability of Intelligence and the Epidemiology of Mild Mental Retardation** *ERIC-IRCD Urban Disadvantaged Series, Number 19*, September 1970. 71p. (Annotated Bibliography) ED 042 837 RIE January 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Intelligence Level, Mental Retardation, Retarded Children, Resource Materials
Resource materials listed focus on: cognitive and social changes in the feeble minded; mental and scholastic tests for retarded children; early education of the retarded and disadvantaged; verbal development of imbecilic children; growth and development of mongoloids in childhood; and, intelligence increments in families of dull children.

71-371 UD
Gordon, Edmund W. **Compensatory Education: Evaluation in Perspective** *IRCD Bulletin*, v6 n5, December 1970. 8p. (Journal Article) ED 054 237 RIE December 1971 MF-$0.65; HC-$3.29
Compensatory Education Programs, Program Evaluation, Program Effectiveness, Evaluation Criteria, Evaluation Methods
A theoretical formulation of the special problems of evaluating compensatory education programs is developed.

71-372 UD
Jablonsky, Adelaide **Media for Teaching Afro-American Studies** *IRCD Bulletin*, v6 n1 and 2, Spring, Summer 1970, September 1970. 23p. (Literature Review) ED 042 856 RIE January 1971 MF-$0.65; HC-$3.29
African American Studies, Audiovisual Instruction, Instructional Media, Evaluation
This issue of the Bulletin is devoted to media and media resources for teaching Afro-American studies and contains reviews of media resources as evaluated for relevance and effectiveness by a number of participating black reviewers. Units consisting of filmstrips with records were considered more effective than either of these alone.

71-373 UD
Gussow, Joan D. **Bodies, Brains and Poverty: Poor Children and the Schools** *IRCD Bulletin*, v6 n3, September 1970. 20p. (State-of-the-Art Review) ED 047 025 RIE May 1971 MF-$0.65; HC-$3.29
Health Programs, Special Health Problems, Medical Research, Hunger, Nutrition
This issue reviews the status of research relating to health, nutrition, and learning as pertaining to children from economically disadvantaged families. Also included is an article on recommendations for child health care, and excerpts from the testimony of a superintendent of schools before the Senate Select Committee on Nutrition and Human Needs, January 1969.

71-374 UD
Gordon, Edmund W., ed. **Access and Appraisal: Continuing Education, Higher Education, Career Entry. The Report of the Commission on Tests to the College Entrance Examination Board** *IRCD Bulletin*, v6 n4, November 1970. 12p. (Report) ED 049 324 RIE July 1971 MF-$0.65; HC-$3.29
College Entrance Examinations, Post Secondary Education, Equal Education, Revelance (Education), Student School Relationship
This issue is comprised of Part I of the Report of the Commission on Tests, College Entrance Examination Board, 1970, and is a review of the Commission's recommendations to the Board.

71-375 UD
Gordon, Edmund W. **Significant Trends in the Education of the Disadvantaged** *ERIC-IRCD Urban Disadvantaged Series, Number 17*, August 1970. 24p. (State-of-the-Art Review) ED 040 305 RIE November 1970 MF-$0.65; HC-$3.29
Educational Disadvantagement, Academic Achievement, Intellectual Development, Compensatory Education, Equal Education
This paper reviews the wide variety of approaches and issues in research relating to the education of the disadvantaged in the decade of the sixties. Relevant works are designated in two categories: the study of population characteristics and the description and evaluation of programs and practices.

71-376 UD
Jayatilleke, Raja, comp. **Human Relations in the Classroom: An Annotated Bibliography** *ERIC-IRCD Urban Disadvantaged Series, Number 22*, June 1971. 65p. (Annotated Bibliography) ED 051 315 RIE September 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Human Relations, Classroom Environment, Race Relations, Racial Attitudes
This bibliography covers materials relating to the period November 1966-March 1971 (ERIC Documents) and January 1969-April 1971 (Articles), and deals with such issues as: race relations, racial attitudes and recognition, human relations, classroom environment, ethnic and African American studies, activism, teacher and student attitudes, student-teacher relationships, teacher education, and psychological identification.

71-377 UD
Stein, Zena; Susser, Mervyn **Mutability of Intelligence and Epidemiology of Mild Mental Retardation** *ERIC-IRCD Urban Disadvantaged Series, Number [illegible] September 1970. Review of Educational [illegible]* v40 n1, pp. 29-67, February 1970. 4[illegible]-the-Art Review)
Intelli[illegible] Mental Retardation, Retarded Chil[illegible]ture Reviews
The objective of this paper is to find a secure basis for statements about mutability of intelli-

gence and to set those statements out as testable propositions.

71-378 VT
Abstracts of Instructional Materials in Vocational and Technical Education (AIM), Spring 1970 1970. 166p. (Abstract Journal) ED 041 159 RIE November 1970 MF-$0.65; HC-$6.58

Annotated Bibliographies, Instructional Materials, Technical Education, Vocational Education

Instructional materials acquired and processed by the Clearinghouse for Vocational and Technical Education are classified by vocational or supporting service areas (e.g. Agricultural Education, Business and Office Education, etc.) Each item is also indexed by personal and institutional author, major subjects and identifiers. AIM is issued quarterly (Fall, Winter, Spring, Summer) and began Fall 1967.

71-379 VT
Abstracts of Instructional Materials in Vocational and Technical Education (AIM), Summer 1970 1970. 170p. (Abstract Journal) ED 042 930 RIE January 1971 MF-$0.65; HC-$6.58

Annotated Bibliographies, Instructional Materials, Technical Education, Vocational Education

Instructional materials acquired and processed by the Clearinghouse for Vocational and Technical Education are classified by vocational or supporting service areas (e.g. Agricultural Education, Business and Office Education, etc.) Each item is also indexed by personal and institutional author, major subjects and identifiers. AIM is issued quarterly (Fall, Winter, Spring, Summer) and began Fall 1967.

71-380 VT
Abstracts of Instructional Materials in Vocational and Technical Education (AIM), Fall 1970 1970. 175p. (Abstract Journal) ED 045 853 RIE April 1971 MF-$0.65 HC-$6.58

Annotated Bibliographies, Instructional Materials, Technical Education, Vocational Education

Instructional materials acquired and processed by the Clearinghouse for Vocational and Technical Education are classified by vocational or supporting service areas (e.g. Agricultural Education, Business and Office Education, etc.) Each item is also indexed by personal and institutional author, major subjects and identifiers. AIM is issued quarterly (Fall, Winter, Spring, Summer) and began Fall 1967.

71-381 VT
Abstracts of Instructional Materials in Vocational and Technical Education (AIM), Winter 1970 1971. 153p. (Abstract Journal) ED 048 514 RIE June 1971 MF-$0.65; HC-$6.58

Annotated Bibliographies, Instructional Materials, Technical Education, Vocational Education

Instructional materials acquired and processed by the Clearinghouse for Vocational and Technical Education are classified by vocational or supporting service areas (e.g. Agricultural Education, Business and Office Education, etc.) Each item is also indexed by personal and institutional author, major subjects and identifiers. AIM is issued quarterly (Fall, Winter, Spring, Summer) and began Fall 1967.

71-382 VT
Abstracts of Research and Related Materials in Vocational and Technical Education (ARM), Summer 1970 1970. 227p. (Abstract Journal) ED 042 036 RIE December 1970 MF-$0.65; HC-$9.87

Annotated Bibliographies, Educational Research, Technical Education, Vocational Education

Research and research related materials acquired and processed by the Clearinghouse for Vocational and Technical Education are classified by topical areas (e.g. administration and supervision, employment and occupations, evaluation and measurement, etc.) Each report is also indexed by personal and institutional author, major subjects and identifiers, and vocational or supporting services. ARM is issued quarterly (Fall, Winter, Spring, Summer) and began Fall 1967.

71-383 VT
Abstracts of Research and Related Materials in Vocational and Technical Education (ARM), Fall 1970 1971. 563p. p. (Abstract Journal) ED 045 857 RIE April 1971 MF-$0.65; HC-$19.74

Annotated Bibliographies, Educational Research, Technical Education, Vocational Education

Research and research related materials acquired and processed by the Clearinghouse for Vocational and Technical Education are classified by topical areas (e.g. administration and supervision, employment and occupations, evaluation and measurement, etc.) Each report is also indexed by personal and institutional author, major subjects and identifiers, and vocational or supporting services. ARM is issued quarterly (Fall, Winter, Spring, Summer) and began Fall 1967.

71-384 VT
Abstracts of Research and Related Materials in Vocational and Technical Education (ARM), Winter 1970 1971. 237p. (Abstract Journal) ED 048 516 RIE June 1971 MF-$0.65; HC-$9.87

Annotated Bibliographies, Educational Research, Technical Education, Vocational Education

Research and research related materials acquired and processed by the Clearinghouse for Vocational and Technical Education are classified by topical areas (e.g. administration and supervision, employment and occupations, evaluation and measurement, etc.) Each report is also indexed by personal and institutional author, major subjects and identifiers, and vocational or supporting services. ARM is issued quarterly (Fall, Winter, Spring, Summer) and began Fall 1967.

71-385 VT
Abstracts of Instructional Materials in Vocational and Technical Education and Abstracts of Research and Related Materials in Vocational and Technical Education. Annual Index, 1969-70 1970. 134p. (Abstract Journal) ED 042 929 RIE January 1971 MF-$0.65; HC-$6.58

Bibliographies, Educational Research, Indexes (Locaters), Instructional Materials, Vocational Education

This annual publication includes cumulative indexes to the Fall 1969-Summer 1970 issues of the quarterly publications: Abstracts of Instructional Materials in Vocational and Technical Education (AIM) and Abstracts of Research and Related Materials in Vocational and Technical Education (ARM).

71-386 VT
Bailey, Lena C. **Review and Synthesis of Research on Consumer and Homemaking Education** *Information Series, Number 33,* April 1971. 79p. (State-of-the-Art Review) ED 048 482 RIE June 1971 MF-$0.65; HC-$3.29

Consumer Education, Homemaking Education, Research Reviews (Publications), Bibliographies, Research Needs

Legislation enacted during 1968 gave new focus and special emphasis to consumer and homemaking education. Discussed within the publication are the topical areas of consumer education, disadvantaged, homemaking, teacher education, and research methodology.

71-387 VT
Beasley, Gary F.; Russell, Earl B. **Environment-Related Research in Agricultural Education, 1969-70** *Agricultural Education Magazine,* v43 n9, pp.229-230, March 1971. 2p. (Journal Article)

Agricultural Education, Environmental Research, Environment, Research Projects, Bibliographic Citations

This article cites agricultural education research (completed and in progress) related to environment.

71-388 VT
Bice, Garry R. **Working With Opinion Leaders to Accelerate Change in Vocational-Technical Education, An Application of Research** *Information Series, Number 26,* November 1970. 27p. (Paper) ED 044 502 RIE March 1971 MF-$0.65; HC-$3.29

Change Agents, Educational Change, Guidelines, Literature Reviews, Vocational Education

The compact nature of the review and its organization into guideline format should be of assistance to practitioners in identifying current research findings in innovative practices to improve operating programs. The content includes suggestions for identifying opinion leaders, influencing opinion leaders, assisting opinion leaders in dissemination, and achieving mass adoption.

71-389 VT
Brandon, George L., ed. **Research Visibility: Educating Women for World of Work** *American Vocational Journal,* v45 n9, pp.33-48, December 1970. 16p. (Journal Article) ED 045 849 RIE April 1971 MF-$0.65; HC-$3.29

Annotated Bibliographies, Research Reviews (Publications), Vocational Education, Working Women

The 11 research reports presented deal with the work situation of women in the United States, England and France. 22 additional studies are cited in the bibliography.

71-390 VT
Brandon, George L., ed. **Research Visibility: Improving Vocational Education** *American Vocational Journal,* v45 n7, pp.41-56, October 1970. 16p. (Journal Article) ED 043 775 RIE February 1971 MF-$0.65; HC-$3.29

Educational Programs, Program Improvement, Research Reviews (Publications), Teacher Improvement, Vocational Education

The 14 research reviews presented deal with training of educational personnel, and curriculum and classroom technique. An additional 27 studies are included.

71-391 VT
Brandon, George L., ed. **Research Visibility: Manpower Development, Vo-Ed for the Disadvantaged** *American Vocational Journal,* v45 n6, pp.41-56, September 1970. 16p. (Journal Article) ED 042 916 RIE January 1971 MF-$0.65; HC-$3.29

Bibliographies, Disadvantaged Group, Manpower Development, Research Reviews (Publications), Vocational Education

The 16 research reviews describe manpower development forecasting, prevocational training and family service counseling for the disadvantaged, and a review of the Neighborhood Youth Corps. A bibliography of 18 additional items are cited.

71-392 VT
Brandon, George L., ed. **Research Visibility: Research and Evaluation** *American Vocational Journal,* v46 n2, pp.79-86, February 1971. 4p. (Journal Article) ED 048 488 RIE June 1971 MF-$0.65; HC-$3.29

Vocational Education, Research Reviews (Publications), Educational Research, Annotated Bibliographies, Program Evaluation

A brief review is presented of 18 selected studies in vocational, technical and practical arts education.

71-393 VT
Brandon, George L., ed. **Research Visibility: Vocational Education Research** *American Vocational Journal,* v46 n1, pp.65-68, January 1971. 4p. (Journal Article) ED 047 150 RIE May 1971 MF-$0.65; HC-$3.29

Vocational Education, Research Reviews (Publications), Annotated Bibliographies, Educational Research

The 16 selected studies cover: human potential and human resources, reports from voc-tec centers, careers and new careers, disadvantaged adults and the handicapped, and reports from universities.

71-394 VT
Brandon, George L., ed. **Research Visibility: Vocational Education Research: A Status Report** *American Vocational Journal,* v45 n8, pp.65-80, November 1970. 16p. (Journal Article) ED 044 522 RIE March 1971 MF-$0.65; HC-$3.29

Annotated Bibliographies, Educational Research, Research Reviews (Publications), Vocational Education

A brief review of 12 selected studies in vocational, technical and practical arts education is presented.

71-395 VT
Burke, Wesley E. **Occupational Exploration--An Aspect of Vocational Education** *Agricultural Education Magazine*, v43 n12, pp.310-311, June 1971. 2p. (Journal Article)
Vocational Education, Prevocational Education, Career Planning, Educational Research
This article gives current program status and recommendations for further development of occupational exploration programs. The report is based on Clearinghouse publication, Review and Synthesis of Information on Occupational Exploration, June 1971.

71-396 VT
Burke, Wesley E. **Review and Synthesis of Information on Occupational Exploration** April 1971. 90p. (State-of-the-Art Review) ED 056 165 RIE February 1972 MF-$0.65; HC-$3.29
Prevocational Education, Career Planning, Educational Research, Educational Responsibility [Occupational Exploration]
The aim of this review is to serve as a useful reference for educators who will be developing occupational exploration programs in kindergarten through Grade 12. The primary focus is on total school responsibility in organizing, implementing, and operating occupations exploration programs.

71-397 VT
Butler, Roy; York, Edwin G. **What School Administrators Should Know About Cooperative Vocational Education** May 1971. 18p. (Paper) ED 057 180 RIE March 1972 MF-$0.65; HC-$3.29
Vocational Education, Cooperative Education, Program Planning, Program Administration, Administration Role
The focus of this brief paper is on the review of key administrative concepts relative to cooperative vocational education. A key reference for administrators is included.

71-398 VT
Butler, Roy; York, Edwin **What Teacher-Coordinators Should Know About Cooperative Vocational Education** June 1971. (Paper) ED 059 348 RIE May 1972 MF-$0.65; HC-$3.29
Vocational Education, Cooperative Education, Instructor Coordinators, Program Planning, Program Coordination
This publication is designed to serve teacher coordinators interested in reviewing the key concepts relative to cooperative vocational education. The paper is written to the teacher and provides suggestions for planning the program, coordinating the program, and evaluating the program. Key references are provided in a bibliography.

71-399 VT
Carpenter, Earl T.; Rodgers, John H. **Review and Synthesis of Research in Agricultural Education, Second Edition** *Research Series, Number 59*, June 1970. 90p. (State-of-the-Art Review) ED 040 275 RIE October 1970 MF-$0.65; HC-$3.29
Agricultural Education, Bibliographies, Educational Research, Research Reviews (Publications)
The work is designed to serve as a convenient source for obtaining an overview of research reported during the past 3 years in agricultural education. Major content areas include philosophy and objectives, manpower needs, teacher education, learning processes, instructional materials, curriculum development, administration and supervision, education programs, facilities and equipment, student personnel services, and evaluation.

71-400 VT
Clary, Joseph R. **Review and Synthesis of Research and Developmental Activities Concerning State Advisory Councils on Vocational Education** *Information Series, Number 22*, September 1970. 55p. (State-of-the-Art Review) ED 043 744 RIE February 1971 MF-$0.65; HC-$3.29
Advisory Committees, Program Administration, Research Needs, Research Reviews (Publications), Vocational Education [Vocational Education Amendments of 1968]
A review and synthesis of research and developmental activities on the background, legal status, composition, organization, and problems, as well as questions concerning state advisory councils on vocational and technical education.

71-401 VT
Hensel, J.W. **The Change Process in Education: A Selected and Annotated Bibliography. Final Report** *Bibliography Series, Number 5*, 1970. 97p. (Annotated Bibliography) ED 041 108 RIE November 1970 MF-$0.65; HC-$3.29
Annotated Bibliographies, Changing Attitudes, Communication (Thought Transfer), Decision Making, Educational Change
This effort was designed to identify literature which might reveal viable alternatives for managing change as it occurs in man's social, technological, and occupational environment. The bibliography was compiled for use by researchers interested in studying the change process. The bibliography is selective rather than inclusive.

71-402 VT
Kintgen, Jean **Interpretation of Literature on Career Ladders and Lattices in Health Occupations Education** *Information Series, Number 23*, September 1970. 29p. (Literature Review) ED 042 919 RIE January 1971 MF-$0.65; HC-$3.29
Articulation (Program), Bibliographies, Health Education, Health Occupations Education, Research Reviews (Publications)
The need for personnel in the health areas at various levels seems to be unquestioned. There is growing concern about the lack of provisions for vertical and horizontal mobility in the emerging educational patterns. This brief review, analysis, and bibliography was designed to show where such ladders and lattices have been under development and to report on information related to such programs.

71-403 VT
Lewis, Wiley B. **Review and Analysis of Curricula for Occupations in Construction** *Information Series, Number 24*, October 1970. 34p. (State-of-the-Art Review) ED 044 496 RIE March 1971 MF-$0.65; HC-$3.29
Bibliographies, Construction Industry, Curriculum Development, Literature Reviews, Trade and Industrial Education
This report is designed to aid curriculum development specialists, researchers and practitioners in assessing the current state-of-the-art related to curriculum development for construction occupations. The compact nature of the review should be of assistance to practitioners in identifying current curriculum offerings and useful materials to improve operating programs.

71-404 VT
Lewis, Wiley B. **Review and Analysis of Curricula for Occupations in Environmental Control** *Information Series, Number 30*, December 1970. 36p. (State-of-the-Art Review) ED 045 817 RIE April 1971 MF-$0.65; HC-$3.29
Curriculum Development, Environment, Research Reviews, (Publications), Vocational Education
This publication is designed to aid curriculum development specialists, researchers, and practitioners in assessing the current state-of-the-art in the field. The compact nature of the review should be of assistance to practitioners in identifying current curriculum offerings and useful materials to improve operating programs.

71-405 VT
Lewis, Wiley B. **Review and Analysis of Curricula for Occupations in Food Processing and Distribution** *Information Series, Number 32*, December 1970. 39p. (State-of-the-Art Review) ED 045 820 RIE April 1971 MF-$0.65; HC-$3.29
Curriculum Development, Food, Marketing, Research Reviews (Publications), Vocational Education
This review is designed to aid curriculum development specialists, researchers, and practitioners in assessing the current state-of-the-art in the field. The compact nature of the review should be of assistance to practitioners in identifying current curriculum offerings and useful materials to improve operating programs.

71-406 VT
Lewis, Wiley B. **Review and Analysis of Curricula for Occupations in Health** *Information Series, Number 27*, November 1970. 38p. (State-of-the-Art Review) ED 044 507 RIE March 1971 MF-$0.65; HC-$3.29
Curriculum Development, Curriculum Evaluation, Health Occupations Education, Literature Reviews, Research Reviews (Publications)
This analysis is designed to aid curriculum development specialists, researchers, and practitioners in assessing the current state-of-the-art in the field. The compact nature of the review should be of assistance to practitioners in identifying current curriculum offerings and useful materials to improve operating programs.

71-407 VT
Lewis Wiley B. **Review and Analysis of Curricula for Occupations in Public Services** *Information Series, Number 29*, November 1970. 39p. (State-of-the-Art Review) ED 045 813 RIE April 1971 MF-$0.65; HC-$3.29
Curriculum Development, Research Reviews (Publications), Service Occupations, Vocational Education
This publication is one of a series of information analysis papers designed to aid curriculum development specialists, researchers, and practitioners in assessing the current state-of-the-art in the field. The compact nature of the review should be of assistance to practitioners in identifying current curriculum offerings and useful materials to improve operating programs.

71-408 VT
Lewis, Wiley B. **Review and Analysis of Curricula for Occupations in Transportation** *Information Series, Number 28*, December 1970. 38p. (State-of-the-Art Review) ED 045 814 RIE April 1971 MF-$0.65; HC-$3.29
Curriculum Development, Research Reviews (Publications), Transportation, Vocational Education
This review is designed to aid curriculum development specialists, researchers, and practitioners in assessing the current state-of-the-art in the field. The compact nature of the review should be of assistance to practitioners in identifying current curriculum offerings and useful materials to improve operating programs.

71-409 VT
Mason, Emmett E. **Industrial Arts Curriculum Improvements: A Change Agent's Guide** May 1971. 31p. (Paper) ED 057 179 RIE March 1972 MF-$0.65; HC-$3.29
Industrial Arts, Change Agents, Educational Change, Educational Innovation
Contained with this publication are various industrial arts curriculum alternatives and suggestions for achieving their adoption. The document is written in guideline form for use by practitioners.

71-410 VT
McCracken, J. David **From the Research Editor's Desk** *Agricultural Education Magazine*, v43 n8, p.190, February 1971. 1p. (Journal Article)
Followup Studies, Student Placement, Research Problems, Vocational Education, Research Reviews (Publications)
This article discusses research problems and procedures for studies dealing with follow-up evaluation of vocational and technical education. A section of ED 037 543 RIE July 1970, a review and synthesis of research developed by Kenneth Little for the ERIC Clearinghouse on Vocational and Technical Education, is summarized.

71-411 VT
McCracken, J. David **Research in Agricultural Education: A Critique** *Agricultural Education Magazine*, v43 n5, pp.109-111, November 1970. 3p. (Journal Article)
Agricultural Education, Research Needs, Research Design, Research Methodology
This article critiques research in terms of substantive focus, persons conducting research, design and methodology, and application of research to practice.

71-412 VT
Gilstrom, Oliver W.; Schmitt, Henry E. **What School Administrators Should Know About Vocational Education for Disadvantaged Youth in Rural Areas** June 1971. 24p. (Paper) ED 057 181 RIE March 1972 MF-$0.65; HC-$3.29
Vocational Education, Program Development, Administrator Role, Rural Youth, Disadvantaged Youth
This publication is designed to serve school administrators interested in reviewing the key administrative concepts relative to the vocational education programs for disadvantaged youth in rural areas.

71-413 VT
Snyder, Thomas R.; Butler, Roy L. **Review and Analysis of Curricula for Occupations in Metalworking** *Information Series, Number 25,* October 1970. 31p. (State-of-the-Art Review) ED 044 495 RIE March 1971 MF-$0.65; HC-$3.29
Content Analysis, Curriculum Evaluation, Literature Reviews, Metal Working Occupations, Technical Occupations
This publication is designed to aid curriculum development specialists, and practitioners in reviewing the current state-of-the-art in the field. The compact nature of the review should be of assistance to practitioners in identifying availalbe curriculum materials to improve operating programs.

71-414 VT
Wallace, Harold R. **Review and Synthesis of Research on Cooperative Vocational Education** *Research Series, Number 60,* June 1970. 124p. (State-of-the-Art Review) ED 040 274 RIE October 1970 MF-$0.65; HC-$6.58
Bibliographies, Cooperative Education, Educational Research, Research Reviews (Publications), Vocational Education
This paper is one aspect of an effort to report the state-of-the-art concerning cooperative vocational education. The contents include basic concepts, the student learner, the employment community, educational technology, program implementation, practices, problems, and issues. Discussed within the report are various types of work experience programs and their contribution to student development.

71-415 VT
Woodhead, Catherine P. **Review and Synthesis of Literature on Residential Schools in Vocational and Technical Education** *Information Series, Number 61,* December 1970. 41p. (State-of-the-Art Review) ED 045 821 RIE April 1971 MF-$0.65; HC-$3.29
Educational Research, Federal Legislation, Literature Reviews, Residential Schools, Vocational Education
It is the purpose of this publication to identify and describe from available literature the residential vocational programs that have been established. Their contributions, problems, successes, diversity and services are presented and analyzed. The legislative history and historical context of these provisions also are documented.

71-416 VT
York, Edwin; Butler, Roy **What State Leaders Should Know About Cooperative Vocational Education** June 1971. (Paper) ED 059 349 RIE May 1972 MF-$0.65; HC-$3.29
Vocational Education, Program Development, Teacher Educators, Leaders Guides, Cooperative Education
Key concepts relative to cooperative vocational education are reviewed. The contents include essential elements of successful programs, planning and implementation, extension and improvement of programs, recruitment and training of coordinators, promotional activities, and evaluation.

71-601 AC
Training Law Enforcement Personnel *Current Information Sources, Number 33,* October 1971. 29p. (Annotated Bibliography) ED 054 400 RIE January 1972 MF-$0.65; HC-$3.29
Annotated Bibliographies, Job Training, Law Enforcement, Police Community Relationship, Police Seminars
Contained are 36 items on training of staff of law-enforcement personnel and police-community relationships. Most of the documents are from 1967-1970. Also included are instructions for ordering ERIC documents, and a list of ERIC/AE publications.

72-002 AC
Blakely, Robert J. **I'm Beginning to Think Like the Bird! or, Social and Philosophical Issues in the Use of Mass Media in Adult Education--A Review of the Literature** October 1971. 10p. (Literature Review) ED 054 443 RIE January 1972 MF-$0.65; HC-$3.29
Adult Education, Behavioral Science Research, Literature Reviews, Mass Media, Social Psychology
After indicating broad notions of adult education and mass media, the author defines the issues broadly, with the key issue being the chasm between man's power and his ability to use it for his own good, individually and collectively.

72-003 AC
Cassirer, Henry R. **The Use of Mass Media in Adult Education in Countries Outside the U.S. and Canada: A Literature Review** July 1971. 15p. (Literature Review) ED 051 435 RIE October 1971 MF-$0.65; HC-$3.29
Mass Media, Adult Education, Foreign Countries, Social Development
Documents on the mass media as it relates to adult education as a whole, to rural education, to special projects in higher technical education, and to family planning are examined.

72-004 AC
Copeland, Harlan G.; Grabowski, Stanley M. **Research and Investigation in the United States** *Convergence,* v4 n4, pp.23-32, 1971. 9p. (Journal Article)
Adult Education, Educational Research, Investigations, Historical Reviews
This article identifies major influences contributing to the improvement in quantity and quality of adult education research in the United States during the 1960's.

72-005 AC
Grabowski, Stanley M., ed.; League, Nehume, ed. **Adult Education Dissertation Abstracts: 1968-1969** September 1971. 227p. (Literature Review) ED 052 450 RIE November 1971 MF-$0.65; HC-$9.87
Adult Education, Annotated Bibliographies, Doctoral Theses, Masters Theses
Citations, abstracts, and ordering information are provided for 303 dissertations. Studies are classified by broad subject headings used in the ERIC Clearinghouse on Adult Education. A descriptive analysis of 297 studies from the years 1968-1969 is given and compared with the analysis of the dissertations from 1963-1967. Author, institutional, and methodological indexes are provided.

72-006 AC
Grabowski, Stanley M. **Adult Education in Museums** *Continuing Education in Museums,* n171, pp.1-5, April 1972. 5p. (Journal Article)
Museums, Adult Education, Exhibits, Bibliographies
Described are the various educational activities, both informal and formal, provided for adults by the present-day museum.

72-007 AC
Grabowski, Stanley M. **Adult Education Participation Data** *Continuing Education for Adults,* n169, pp.1-4, February 1972. 4p. (Journal Article)
Adult Learning, Learning Motivation, Educational Objectives, Research Needs
Reported on is "The Adult's Learning Projects," by Allen Tough, which is a synthesis of several studies, over the past seven years, of the deliberate learning efforts made by men and women.

72-008 AC
Grabowski, Stanley M. **Analysis of Publications in Continuing Education** *International Seminar on Publications in Continuing Education,* In: Charters, Alexander N. and Rivera, William M. 1972. 6p. (State-of-the-Art Review)
Publications, Professional Associations, Adult Education
Examined are the diverse publications of the many adult education agencies and organizations including newsletters, magazines and journals, directories, proceedings, register and abstract journals, handbooks, dissertations, bibliographies, literature reviews, and general works and curriculum materials.

72-009 AC
Grabowski, Stanley M. **Continuing Education for Local Public Officials** *Adult Leadership,* v21 n1, pp.30-31, May 1972. 2p. (Journal Article)
City Officials, Public Officials, Public Administration Education, Professional Continuing Education
Reviewed are documents about the relatively new and highly experimental continuing education programs for local public officials.

72-010 AC
Grabowski, Stanley M. **Counseling Disadvantaged Adults** *Continuing Education for Adults,* n165, pp.1-4, October 1971. 4p. (Journal Article)
Disadvantaged Groups, Social Problems, Adult Counseling, Techniques
The author examines reasons behind disadvantagement in adults and argues that counseling is definitely needed to combat these factors.

72-011 AC
Grabowski, Stanley M. **Cross-Cultural Training Methods** *Adult Leadership,* v20 n9, pp.339-340, March 1972. 2p. (Journal Article)
Cross Cultural Training, Teaching Methods
The new trend in cross-cultural training is for the "cultural-awareness" model by making trainees aware of the nature of culture; methods used are role playing, programmed instruction, and video self-confrontation. (Annotated list of documents).

72-012 AC
Grabowski, Stanley M. **Educational Counseling for Adults** *Adult Leadership,* v20 n7, p.266, January 1972. 1p. (Journal Article)
Adult Counseling, Educational Counseling, Counselor Attitudes
A brief description is given of adult educational counseling, noting adult needs and anxieties, as well as problems arising from counselor attitudes.

72-013 AC
Grabowski, Stanley M. **Law Enforcement Training Programs** *Adult Leadership,* v20 n4, p.160, October 1971. 1p. (Journal Article)
Police, Law Enforcement, Police Seminars, Training Techniques
Listed are some samples of the kinds of documents which have been processed by the ERIC Clearinghouse on Adult Education dealing with police training.

72-014 AC
Grabowski, Stanley M. **Police-Community Relations Programs** *Continuing Education for Adults,* n162, pp.1-3, July 1971. 3p. (Journal Article)
Police Community Relationship, Community Attitudes, Police, Training Techniques
Described are some of the problems involved in police-community relations and some of the approaches used to overcome them.

72-015 AC
Grabowski, Stanley M., ed. **Research and Investigation in Adult Education: 1971 Annual Register** 1971. 348p. (Literature Review) ED 056 263 RIE March 1972 MF-$0.65; HC-$13.16
Mass Media, Adult Education, Adult Learning, Program Planning, Teaching Methods
This annotated bibliography includes 578 items of research or investigation in adult education, most of which are dated 1970 or 1971. They cover adult learning characteristics, program planning and administration, learning environments, instructional methods, curriculum materials and instructional devices, personnel and staffing, education of particular groups, program areas, professional and technical continuing education, management and supervisory development, labor education, occupational training, institutional sponsors, and international perspectives.

72-016 AC
Grabowski, Stanley M. **Special Degree Programs for Adults** *Adult Leadership,* v20 n2, pp.75-76, June 1971. 2p. (Journal Article)
Adults, Higher Education, Special Degree Programs
Briefly discussed are provisions made for adults seeking academic degrees and listed are some related documents which have come to the attention of the ERIC Clearinghouse on Adult Education.

72-017 AC

Grabowski, Stanley M. **Training of Community Development Workers** *Adult Leadership*, v20 n5, p.191, November 1971. 1p. (Journal Article)

Community Development, Change Agents, Training

The author gives a summary of community development programs and training and offers a list of publications dealing with the training of community development workers.

72-018 AC

Gueulette, David G. **The Mass Media in Adult Education in the Developing Countries: A Literature Review** October 1971. 12p. (Literature Review) ED 057 284 RIE April 1972 MF-$0.65; HC-$3.29

Mass Media, Developing Nations, Literature Reviews, Educational Technology, Behavioral Objectives

Presented is a critique of the typical approaches to education in developing countries and the lack of attention to broad-based ethical issues. Questions of social upheaval or loss of traditional values caused by increased attention to education in developing nations are seldom mentioned in these approaches.

72-019 AC

Ohliger, John; McCarthy, Colleen **Lifelong Learning or Lifelong Schooling A Tentative View of the Ideas of Ivan Illich with a Quotational Bibliography** July 1971. 102p. (Literature Review) ED 049 398 RIE August 1971 MF-$0.65; HC-$6.58

Adult Educators, Educational Philosophy, Continuous Learning, Adult Education [Illich (Ivan)]

Attention in this review is focused on Illich's missionary training activities, his subsequent involvement with the Center for Intercultural Documentation in Cuernavaca, Mexico, and the influence of a Brazilian adult educator, Paulo Freire, in Illich's social and educational thinking.

72-020 AC

Steele, Sara M. **Cost-Benefit Analysis and the Adult Educator: A Literature Review** July 1971. 34p. (Literature Review) ED 056 287 RIE March 1972 MF-$0.65; HC-$3.29

Cost Effectiveness, Input Output Analysis, Adult Educators, Literature Reviews, Systems Approach

Discussed in this review are the concepts involved in cost-benefit analysis and how they are operationalized in adult education. A survey of current usage shows that thus far, cost-benefit analysis has been limited primarily to programs which lend themselves to achieving economic outputs--usually associated with industry.

72-021 CG

Butts, Thomas A. **New Practices in Student Orientation** *Personnel Services Review: Series 5, Contemporary Issues in Student Personnel Work*, December 1971. 42p. (Paper) ED 057 416 RIE April 1972 MF-$0.65; HC-$3.29

College Freshmen, Cultural Differences, Orientation, School Orientation, Transfer Students

Each section in this document focuses on orientation services for a specific population attending college. Goals and practices of various new programs are discussed, and applications are suggested for a variety of situations. It is intended for use by college and university faculty, staff and students who are responsible for planning, developing and executing services and programs for new students.

72-022 CG

Kidder, Mary Jane, comp. **Searchlight: Relevant Resources in High Interest Areas. 1R Retrospective Search. School Discipline and Civil Rights** October 1971. 11p. (Annotated Bibliography) ED 061 563 RIE August 1972 MF-$0.65; HC-$3.29

Annotated Bibliographies, Civil Rights, Student Rights, Discipline, Student School Relationship

Listed are 35 documents retrieved from the ERIC collection, "Dissertation Abstracts," and the journal literature, covering the defined civil rights of students, and legal decisions in the area of student-school relationships.

72-023 CG

Kidder, Mary Jane, comp. **Searchlight: Relevant Resources in High Interest Areas. 2R Retrospective Search. Counseling the Pregnant Teenager** October 1971. 12p. (Annotated Bibliography) ED 061 564 RIE August 1972 MF-$0.65; HC-$3.29

Pregnancy, Unwed Mothers, Teenagers, Dropout Prevention, Annotated Bibliographies

This search of 18 documents from the ERIC collection, "Dissertation Abstracts," and the journal literature, reviews attempts by several school systems to provide medical, psychological and educational support for pregnant teenagers, in order to prevent their dropping out of school.

72-024 CG

Kidder, Mary Jane, comp. **Searchlight: Relevant Resources in High Interest Areas. 3R Retrospective Search. Articulation** October 1971. 16p. (Annotated Bibliography) ED 061 565 RIE August 1972 MF-$0.65; HC-$3.29

Annotated Bibliographies, Articulation (Program), Program Coordination

Searched were the ERIC System, "Dissertation Abstracts," and the journal literature, and yielded were 50 document abstracts which cover the mutual relationships for the implementation of long-range educational objectives between state departments of education and school systems, four-year institutions and two-year institutions, and colleges and secondary schools.

72-025 CG

Kidder, Mary Jane, comp. **Searchlight: Relevant Resources in High Interest Areas. 4R Retrospective Search. Counseling for Drug Abuse** October 1971. 12p. (Annotated Bibliography) ED 061 566 RIE August 1972 MF-$0.65; HC-$3.29

Drug Abuse, Counseling Programs, Annotated Bibliographies

Reviewed are 42 documents retrieved from the ERIC collection, "Dissertation Abstracts," and the journal literature, and covered are techniques and school programs for education and prevention of drug abuse.

72-026 CG

Kidder, Mary Jane, comp. **Searchlight: Relevant Resources in High Interest Areas. 5R Retrospective Search. Counseling for Achievement Motivation** October 1971. 13p. (Annotated Bibliography) ED 061 567 RIE August 1972 MF-$0.65; HC-$3.29

Counseling Programs, Techniques, Motivation, Annotated Bibliographies, Goal Orientation

This search of the ERIC system, "Dissertation Abstracts," and the journal literature yielded 27 documents which review suggested techniques for use in school and at home to increase levels of motivation.

72-027 CG

Kidder, Mary Jane, comp. **Searchlight: Relevant Resources in High Interest Areas. 6R Retrospective Search. Improving Counselor Public Image** October 1971. 10p. (Annotated Bibliography) ED 061 568 RIE August 1972 MF-

Annotated Bibliographies, School Community Relationship, Community Involvement, Counselor Functions, Counselor Role

A search of the ERIC system, "Dissertation Abstracts," and the journal literature offer abstracts of 28 documents dealing with ways in which the profession can involve the community, thereby creating a more favorable counselor image on the part of the public.

72-028 CG

Kidder, Mary Jane, comp. **Searchlight: Relevant Resources in High Interest Areas. 7R Retrospective Search. Program Evaluation and Accountability** October 1971. 18p. (Annotated Bibliography) ED 061 569 RIE August 1972 MF-$0.65; HC-$3.29

Annotated Bibliographies, Program Evaluation, Counselor Role, Student Development

A search of the ERIC system, "Dissertation Abstracts," and the journal literature has yielded 28 documents, which are abstracted here. They review methods of program evaluation, and the extent to which programs and counselors themselves are effective in contributing to favorable student development.

72-029 CG

Kidder, Mary Jane, comp. **Searchlight: Relevant Resources in High Interest Areas. 8R Retrospective Search. Parent Counseling** October 1971. 16p. (Annotated Bibliography) ED 061 570 RIE August 1972 MF-$0.65; HC-$3.29

Annotated Bibliographies, Parent Counseling, Parent Role, Parent School Relationship

34 document abstracts were yielded from this search of the ERIC system, "Dissertation Abstracts," and the journal literature. They cover ways in which the school can involve the parents in the educational and social development of the child.

72-030 CG

Kidder, Mary Jane, comp. **Searchlight: Relevant Resources in High Interest Areas. 9R Retrospective Search. Confidentiality** October 1971. 14p. (Annotated Bibliography) ED 062 677 RIE Spetember 1972 MF-$0.65; HC-$3.29

Annotated Bibliographies, Student Records, Confidential Records, Counselor Role, Legal Problems

This compilation of 27 abstracts of documents searched through the ERIC system, "Dissertation Abstracts," and the journal literature covers the ethics involved in student record keeping and privileged information, together with recent legal decisions affecting the counselor and the counseling relationship.

72-031 CG

Kidder, Mary Jane, comp. **Searchlight: Relevant Resources in High Interest Areas. 10R Retrospective Search. Students as Resources** October 1971. 12p. (Annotated Bibliography) ED 061 571 RIE August 1972 MF-$0.65; HC-$3.29

Annotated Bibliographies, Volunteers, Student Volunteers, Peer Teaching, Student Participation

This search of the ERIC system, "Dissertation Abstracts," and the journal literature yielded 35 documents which are abstracted here. These documents review different ways in which students can be utilized as volunteers in school and in the community.

72-032 CG

Jaslow, Carol, comp. **Searchlight: Relevant Resources in High Interest Areas. 11R Retrospective Search. Counseling the Aging** October 1971. 11p. (Annotated Bibliography) ED 061 572 RIE August 1972 MF-$0.65; HC-$3.29

Annotated Bibliographies, Older Adults, Counseling Services, Adult Counseling, Adult Development

This search of the ERIC system, "Dissertation Abstracts," and the journal literature yielded 25 documents which focus on methods of viewing the aging and the extent to which programs and counselors are effective in contributing to the enrichment of the later years.

72-033 CG

Walz, Garry; and Others **Access: Resources for the Helping Professions. Volume 4, Number 1, Fall, 1971** October 1971. 225p. (Annotated Bibliography) ED 057 417 RIE April 1972 MF-$0.65; HC-$9.87

Annotated Bibliographies, Bibliographies, Pupil Personnel Services, Research Reviews (Publications), Student Personnel Services

Access is the successor to the Integrated Personnel Services Index. Basically, this is an annotated bibliographic compilation of selected materials from available sources relevant to counseling and personnel work. In addition, "Access" contains a section which provides step-by-step search procedures to aid the user, and a section of topical analyses which present focused research reviews of literature annotated elsewhere in the volume.

72-034 CG

Walz, Garry, ed. **CAPS Capsule. Volume 5, Number 1** September 1971. 6p. (Serial) ED 057 418 RIE April 1972 MF-$0.65; HC-$3.29

Clearinghouses, Newsletters, Publications, Resource Materials

This journal acquaints the reader with recent projects, meetings, publications and materials which are of interest to those in the helping professions. It is published three times a year by the ERIC Clearinghouse on Counseling and Personnel Services.

72-035 CG
Walz, Garry R., ed.; And Others **Communique: News Sheet for School Counselors. Volume 1, Numbers 1-9; plus Index. December 1971** 24p. (Serial) ED 063 572 RIE October 1972 MF-$0.65; HC-$3.29
Counseling Programs, Counselor Performance, Individual Characteristics, Educational Research, Innovation
Described are a number of exemplary counseling programs and practices, research findings from various sources (1970-1971) and the implications of these for counselors, the results of several surveys of counselors' attitudes, and reviewed are a number of available resources for practicing counselors. The document presents this material in short and concise summaries.

72-036 CG
Walz, Garry, ed. **Impact: The Magazine for Innovation and Change in Counseling. Fall 1971** October 1971. 64p. (Serial) ED 056 364 RIE March 1972 MF-$0.65; HC-$3.29
Interviews, Literature Reviews, Occupational Guidance, Periodicals
The first issue of this new quarterly magazine presents an interview with Eli Ginzberg on career guidance, coupled with a section of reactions to this interview. Other sections elaborate on the "career guidance" theme, and present adoptable practices as well as an instrument for rating a career guidance program.

72-037 EA
Armstrong, Ronald **Student Involvement** *Analysis and Bibliography Series, Number 14,* February 1972. 15p. (Literature Review) ED 060 510 RIE July 1972 MF-$0.65; HC-$3.29
Literature Reviews, Student Participation, Decision Making, Student School Relationship, Activism
Intended primarily for educational administrators, this review presents an analysis of the literature concerning student participation in educational decisionmaking. The educational and legal ramifications of student involvement in several decision-making spheres, such as school board and committee membership, student government, extracurricular activities, student publications, and curriculum issues, are discussed. A 54-item bibliography of related literature is also included.

72-038 EA
Baas, Alan M. **Building Renovation and Modernization** *Educational Facilities Review Series, Number 4,* February 1972. 8p. (Literature Review) ED 061 573 RIE August 1972 MF-$0.65; HC-$3.29
Building Improvement, Building Innovation, Building Obsolescence, Educational Facilities, Literature Reviews
Reviewed is the literature previously announced in RIE that is concerned with the renovation and modernization of obsolescent school buildings. The bulk of the literature emphasizes the use of modular components for both support systems and unique learning environments. Topics covered include planning, modernization techniques, modification designs, cost estimates, space analysis, and mechanical systems.

72-039 EA
Buss, William G. **Legal Aspects of Crime Investigation in the Public Schools** *State-of-the-Knowledge Series, Number 11,* 1971. 80p. (State-of-the-Art Review) ED 056 404 RIE March 1972 MF-$0.65; HC-$3.29
Crime, Police Action, Police School Relationship, Search and Seizure, Student Rights
Summarized are the methods used to investigate and prevent crime in school, sketches possible legal claims that sutdents might make as a result of these approaches to inschool crime prevention, and gives particular attention to the legal issues related to searches of student lockers by school law enforcement authorities.

72-040 EA
Forsberg, James R. **Accountability and Performance Contracting** *Analysis and Bibliography Series, Number 13,* October 1971. 15p. (Bibliography) ED 055 336 RIE February 1972 MF-$0.65; HC-$3.29
Educational Accountability, Literature Reviews, Management Systems, Measurement, Performance Contracts
Intended for both researchers and practitioners, this review analyzes literature on educational accountability and performance contracting. A 44-item bibliography of relevant literature is included.

72-041 EA
Johnson, Sharon C. **Flexible-Modular Scheduling** *Educational Management Review Series, Number 4,* March 1972. 10p. (Literature Review) ED 061 580 RIE August 1972 MF-$0.65; HC-$3.29
Flexible Scheduling, Flexible Schedules, Schedule Modules, Literature Reviews, School Schedules
Benefits derived from innovative scheduling techniques range across the entire spectrum of the educational experience, frequently providing for substantial change in the roles of students, teachers, and administrators. Under such a scheduling system, students can choose instruction individualized to meet their needs and teachers can assume greater participation in both curriculum planning and the development of new instructional methods. In addition, administrators can choose from multiple alternatives for organizing the school day and for managing time and space use in their schools.

72-042 EA
Johnson, Sharon C. **Vocational Education Facilities** *Educational Facilities Review Series, Number 5,* May 1972. 8p. (Literature Review) ED 063 618 RIE September 1972 MF-$0.65; HC-$3.29
Literature Reviews, Vocational Education, Industrial Education, Educational Facilities, Educational Specifications
Reviewed is the literature concerning vocational education facilities, including development of new approaches, educational specifications, and specialized program facilities.

72-043 EA
Johnson, Sharon C. **Year-Round Schools** *Educational Management Review Series, Number 6,* May 1972. 8p. (Literature Review) EA 004 258 RIE (unknown) MF-$0.65; HC-$3.29
Extended School Year, Year Round Schools, School Calendars, Quarter System, Curriculum Development
The literature concerning a variety of year-round school plans, including the quarter, quinmester, and 45-15 plans is reviewed.

72-044 EA
Peterson, LeRoy J. **Municipal Overburden** *State-of-the-Knowledge Series, Number 13,* August 1971. 32p. (State-of-the-Art Review) ED 053 446 RIE December 1971 MF-$0.65; HC-$3.29
Expenditures, Fiscal Capacity, Municipalities, School Support, State Federal Aid
The literature concerning the causes and the impact of municipal overburden on school support for essential school services is analyzed. Attempted corrective measures identified include adjustment of State educational support formulas, and action through local, State, and Federal levels of government.

72-045 EA
Piele, Philip K. **Building Maintenance** *Educational Facilities Review Series, Number 3,* January 1972. 8p. (Literature Review) ED 058 623 RIE May 1972 MF-$0.65; HC-$3.29
Administrative Problems, Educational Facilities, Literature Reviews, School Maintenance
Sophisticated heating, electrical sanitation, and recreational systems require more time and concern from school administrators than did their simpler counterparts in the past. The complicated training and workload scheduling of persons charged with actual maintenance operations also require more attention. During the past decade, a body of literature has grown to aid the bewildered administrator in confronting maintenance problems. The 19 documents examined in the review offer techniques for managing and maintaining a clean, safe, and pleasant school building.

72-046 EA
Piele, Philip K. **Computer Applications in Class and Transportation Scheduling** *Educational Management Review Series, Number 1,* October 1971. 8p. (Literature Review) ED 057 436 RIE April 1972 MF-$0.65; HC-$3.29
Bus Transportation, Computer Oriented Programs, Computer Science, Flexible Scheduling, School Schedules
This document shows how computer technology can aid educators in meeting demands for improved class scheduling and more efficient use of transportation resources. Several of the documents reviewed include detailed sample programs illustrating the techniques discussed.

72-047 EA
Piele, Philip K. **Conflict Management in Education** 1971. 4p. (Literature Review) ED 058 650 RIE May 1972 MF-$0.65; HC-$3.29
Conflict Resolution, Decision Making, Literature Reviews, School Community Relationship, Teacher Administrator Relationship
Conflict management is discussed in terms of dealing with the differing opinions, needs, and ideas that are a part of the contemporary school. The documents reviewed suggest such issues as (1) the conflicting perceptions of administrators and teachers, (2) the operational procedures of school boards in relation to community resources, and (3) the interracial conflict in urban schools.

72-048 EA
Piele, Philip K., ed.; Smith, Stuart C., ed. **Directory of Organizations and Personnel in Educational Management. Third Edition 1971-1972** December 1971. 71p. (Directory) ED 058 469 RIE May 1972 MF-$0.65; HC-$3.29
Directories, Educational Administration, Educational Facilities, Educational Researchers, Organizations (Groups)
Compiled as a tool for locating information about research in educational management, this new edition has been expanded both in the scope of its subject areas and in the number of organizations and researchers listed. The directory, with increased coverage of research on educational facilities, lists 154 organizations and 416 individuals. Extensive subject indexes are provided for both organizational and personnel sections.

72-049 EA
Piele, Philip K. **Educational Specifications** *Educational Facilities Review Series, Number 1,* December 1971. 8p. (Literature Review) ED 058 620 RIE May 1972 MF-$0.65; HC-$3.29
Architectural Elements, Educational Facilities, Educational Specifications, Facility Guidelines, Literature Reviews
This document reviews the literature on general specifications for elementary and secondary schools. Topics covered include the philosophical perspective required of facilities planners, individual-environment interaction, physical systems for heating and lighting, and new technological developments.

72-050 EA
Piele, Philip K. **Planning-Programming-Budgeting Systems** *Educational Management Review Series, Number 2,* January 1972. 8p. (Literature Review) ED 058 622 RIE May 1972 MF-$0.65; HC-$3.29
Educational Administration, Educational Planning, Literature Reviews, Systems Approach [Planning Programming Budgeting Systems]
This review surveys documents, previously announced in RIE, that are concerned with the (1) development of planning-programming-budgeting systems (PPBS) for educational planning, (2) models of PPBS implementation, (3) specific applications suitable for libraries, and (4) bibliographies available on the topic. PPBS decisionmaking models enable school administrators to identify objectives, delineate programs in order to achieve objectives, analyze alternatives, allocate resources over a period of time, and calculate costs and program effectiveness.

72-051 EA
Piele, Philip K. **The President's Commission on School Finance. ERIC/CEM Special Feature** *R & D Perspectives,* pp.5-10, Spring 1972. 6p. (Journal Article) ED 063 654 RIE September 1972 MF-$0.65; HC-$3.29
Educational Finance, State Aid, School Taxes, Urban Schools, Private Schools
Summarized are the recommendations of the President's Commission on School Finance and provided is an annotated listing of the 34 project reports.

72-052 EA
Piele, Philip K. **School Financial Education** *Educational Management Review Series, Number 3,* February 1972. 12p. (Literature Review) ED 058 649 RIE May 1972 MF-$0.65; HC-$3.29
Bond Issues, Educational Finance, School Budget Elections, School Community Relationship, Voting
This review surveys recent literature that reflects a wide variety of research techniques and methods. These writings, previously announced in RIE, should provide administrators with some insights into variables that affect the outcome of school financial elections. Divided into four major parts, the review includes literature that (1) deals with the factors affecting the success or failure of school bond elections, (2) describes some of the influences on voter behavior and the effects of school-community relations, and (3) provides guidelines for launching school finance campaigns.

72-053 EA
Piele, Philip K. **Use of Computers in Planning Higher Educational Facilities** *Educational Facilities Review Series, Number 2,* January 1972. 6p. (Literature Review) ED 058 621 RIE May 1972 MF-$0.65; HC-$3.29
Campus Planning, Computer Oriented Programs, Educational Facilities, Higher Education, Literature Reviews
Computers are being used with increasing frequency to plan campus design and evaluate the effectiveness of existing facilities. This review surveys documents, previously announced in RIE, that are concerned with the development, application, and evaluation of computer programs and simulation models designed to relate space and enrollment needs to less tangible aesthetic and social requirements.

72-054 EA
Templeton, Ian **Principal's Role in Collective Negotiation** *Educational Management Review Series, Number 5,* April 1972. 8p. (Literature Review) ED 062 688 RIE August 1972 MF-$0.65; HC-$3.29
Collective Negotiation, Principals, Administrator Role, Teacher Administrator Relationship, Negotiation Agreements
Reviewed is the principal's role in collective negotiation in light of the increased acceptance of the right of teachers and their representatives to negotiate directly with the board rather than through the principal. The literature cited discusses the ambivalence of the principal's role in collective negotiation, describes the management team concept as a possible solution to the problem, and provides both information on legislation and guidelines applicable to the principal's role.

72-055 EC
Administration *Exceptional Child Bibliography Series,* February 1971. 11p. (Annotated Bibliography) ED 051 591 RIE October 1971 MF-$0.65; HC-$3.29
Administration, Annotated Bibliographies, Bibliographies, Exceptional Child Education
Contained are 37 references relating to administrative concerns of special education. The bibliography cites research reports, conference papers, journal articles, texts, and program guides on such administrative topics as professional standards, evaluation methodology, program supervision, laws and regulations, program development, and teacher training. Bibliographic data, availability information, indexing and retrieval descriptors, and abstracts are provided for each entry.

72-056 EC
Arts and Crafts *Exceptional Child Bibliography Series,* February 1971. 21p. (Annotated Bibliography) ED 050 525 RIE September 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Art, Bibliographies, Exceptional Child Education, Handicrafts
Contained are 99 references in the area of arts and crafts. The following information is provided for each entry: bibliographic data, availability information, indexing and retrieval descriptors, and abstracts. Author and Subject indexes are also included.

72-057 EC
Audiovisual Instruction *Exceptional Child Bibliography Series,* February 1971. 24p. (Annotated Bibliography) ED 054 580 RIE January 1972 MF-$0.65; HC-$3.29
Annotated Bibliographies, Audiovisual Instruction, Bibliographies, Exceptional Child Education, Handicapped Children
Listed in the annotated bibliography are 98 references on audiovisual instruction, particularly as it relates to the instruction of handicapped and gifted children. Many of the references on audiovisual instruction deal with aurally handicapped or mentally handicapped students, specific audiovisual aids, research, films, programed instruction, and teaching methods using audiovisual materials, in addition to many other related topics. For all entries, bibliographic data, availability information, indexing and retrieval descriptors, and an abstract are given. Also provided are an author index and a subject index.

72-058 EC
Aurally Handicapped--Programs *Exceptional Child Bibliography Series,* February 1971. 22p. (Annotated Bibliography) ED 052 568 RIE November 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Aurally Handicapped, Bibliographies, Exceptional Child Education, Program Descriptions
The bibliography contains 89 references dealing with programs for the aurally handicapped. Bibliographic Data, availability information, indexing and retrieval descriptors, and abstracts are given for all entries, which include texts, journal articles, program and curriculum guides, and other literature. Subject and author indexes are provided.

72-059 EC
Aurally Handicapped--Research *Exceptional Child Bibliography Series,* February 1971. 25p. (Annotated Bibliography) ED 052 569 RIE November 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Aurally Handicapped, Bibliographies, Exceptional Child Research, Research Projects
89 references, including research reports, texts, journal articles, and other research-related literature, are included in the bibliography on research concerning aurally handicapped children (both the deaf and the hard of hearing). The bibliography contains bibliographic data, availability information, indexing and retrieval terms, and abstracts for all entries.

72-060 EC
Autism *Exceptional Child Bibliography Series,* February 1971. 11p. (Annotated Bibliography) ED 050 523 RIE September 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Autism, Bibliographies, Exceptional Child Education
This bibliography on autism contains 47 items including research reports, conference papers, journal articles, texts, and program guides. Each entry provides bibliographical data, availability information, indexing and retrieval descriptors, and abstracts of the documents.

72-061 EC
Behavior Modification *Exceptional Child Bibliography Series,* February 1971. 20p. (Annotated Bibliography) ED 050 528 RIE September 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Behavior Change, Bibliographies, Exceptional Child Education
Cited are 81 references concerning behavior modification. The following information is provided for each entry: bibliographic data, availability information, indexing and retrieval descriptors and abstracts. Author and subject indexes are also provided.

72-062 EC
Cerebral Palsy *Exceptional Child Bibliography Series,* February 1971. 21p. (Annotated Bibliography) ED 054 572 RIE January 1972 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Cerebral Palsy, Exceptional Child Education
81 references are included in the annotated bibliography on cerebral palsy. For each listing, bibliographic and availability information, indexing and retrieval descriptors, and an abstract are included. The research reports, texts, journal articles, and other literature listed cover such aspects of cerebral palsy as agency role, associated handicaps, child development, clinical diagnosis, educational needs and programs, etiology, services available, language development, medical treatment, physical and speech therapy, and others. Both an author and a subject index are provided.

72-063 EC
Counseling and Psychotherapy *Exceptional Child Bibliography Series,* February 1971. 25p. (Annotated Bibliography) ED 052 573 RIE November 1971 MF-$0.65; HC-$3.29
Bibliographies, Counseling, Exceptional Child Education, Handicapped Children, Psychotherapy
Listed in the bibliography are 88 references concerning counseling particularly as it is employed with exceptional children, and psychotherapy (including group therapy) particularly in reference to emotionally disturbed children. Entries include research reports, journal articles, texts, and other publications. Each entry includes bibliographic data, availability information, indexing and retrieval descriptors, and an abstract. Also provided are an author index and a subject index.

72-064 EC
Curriculum Guides *Exceptional Child Bibliography Series,* February 1971. 24p. (Annotated Bibliography) ED 051 592 RIE October 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Curriculum Guides, Exceptional Child Education
The bibliography cites curriculum guides primarily applicable to the education of the mentally handicapped, aurally handicapped, learning disabled, or gifted. Each entry contains bibliographic data, availability information, indexing and retrieval descriptors, and abstracts. Author and subject indexes are also provided.

72-065 EC
Diagnostic Teaching *Exceptional Child Bibliography Series,* February 1971. 19p. (Annotated Bibliography) ED 053 514 RIE December 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Diagnostic Teaching, Educational Diagnosis, Exceptional Child Education
66 references selected from Exceptional Child Education Abstracts are included in the annotated bibliography on diagnostic teaching. For each entry, bibliographic data, availability information, indexing and retrieval descriptors, and an abstract are included. Author and subject indexes are provided.

72-066 EC
Directories of Services and Facilities *Exceptional Child Bibliography Series,* February 1971. 13p. (Annotated Bibliography) ED 053 519 RIE December 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Directories, Exceptional Child Services, Handicapped Children, Services
Contained in the annotated bibliography are 50 references to directories of services and facilities for exceptional children. Covered are such services and facilities as clinics, camping programs, special classes and schools, day care programs, medical services, agencies, and residential programs. Bibliographic data, availability information, indexing and retrieval descriptors, and an abstract are given for each entry. Subject and author indexes to the bibliography are provided.

72-067 EC
Disadvantaged Youth *Exceptional Child Bibliography Series,* February 1971. 26p. (Annotated Bibliography) ED 054 577 RIE January 1972 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Disadvantaged Youth, Exceptional Child Education
Contained in the annotated bibliography are 101 references concerning disadvantaged youth. Covered are such major topics as cultural and economic disadvantagement, socioeconomic influences, early childhood education, environmental influences, teaching methods, learning disabilities, cognitive development, and language development as they relate to disadvantaged youth. Bibliographic data, availability information, indexing and retrieval descriptors, and an abstract are given for each entry. Subject and author indexes to the bibliography are provided.

72-068 EC
Drug Therapy *Exceptional Child Bibliography Series*, February 1971. 7p. (Annotated Bibliography) ED 050 522 RIE September 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Drug Therapy, Exceptional Child Education
Listed are 31 items relating to drug therapy and cited are research reports, conference papers, journal articles, texts, and program guides. Each entry contains bibliographical data, availability information, indexing and retrieval descriptors, and abstract of the documents.

72-069 EC
Dyslexia *Exceptional Child Bibliography Series*, February 1971. 20p. (Annotated Bibliography) ED 054 579 RIE January 1972 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Dyslexia, Exceptional Child Education, Reading Difficulty
Contained in the annotated bibliography are 84 references to texts, journal articles, research reports, and teaching or program guides concerning dyslexia. Such topics as identification and educational diagnosis, research on dyslexia, lateral dominance and other neurological considerations, perception, reading difficulty, reading skills, remedial reading, and teaching methods are covered. For each of the references, bibliographic data, availability information indexing and retrieval descriptors, and an abstract are given. Author and subject indexes are provided.

72-070 EC
Educable Mentally Handicapped--Programs. *Exceptional Child Bibliography Series*, February 1971. 25p. (Annotated Bibliography) ED 052 565 RIE November 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Educable Mentally Handicapped, Exceptional Child Education, Program Descriptions
Contained are 100 references concerning programs for the educable mentally retarded. Bibliographic data, availability information, indexing and retrieval descriptors, and an abstract are included for each entry. Entries include texts, journal articles, conference papers, and program guides. Author and subject indexes are provided.

72-071 EC
Educable Mentally Handicapped--Research *Exceptional Child Bibliography Series*, February 1971. 21p. (Annotated Bibliography) ED 052 566 RIE November 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Educable Mentally Handicapped, Exceptional Child Research, Research Projects
68 references are included in the bibliography on research dealing with the educable mentally retarded. For each research study, bibliographic data, availability information, indexing and retrieval descriptors, and an abstract are included. Author and subject indexes are provided.

72-072 EC
Emotionally Disturbed--Programs *Exceptional Child Bibliography Series*, February 1971. 23p. (Annotated Bibliography) ED 051 598 RIE October 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Emotionally Disturbed, Exceptional Child Education
Listed are 80 references concerning education and home programing for emotionally disturbed children. Cited are texts for parents and teachers on topics such as occupational therapy, autism, behavior modification, programed instruction, curriculum development, identification and diagnosis, hyperactivity, and other aspects relevant to emotional disorders. Bibliographic data, availability information, indexing and retrieval descriptors, and abstracts are provided for each entry, and author and subject indexes are included.

72-073 EC
Emotionally Distrubed--Research *Exceptional Child Bibliography Series*, February 1971. 20p. (Annotated Bibliography) ED 051 599 RIE October 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Emotionally Disturbed, Exceptional Child Education
65 references on research studies of emotionally disturbed children are cited. References include research reports on behavior problems and modification, identification and diagnosis, program evaluation, schizophrenia, and other aspects of emotional disorders. Bibliographic data, availability information, indexing and retrieval descriptors, and abstracts are included for each entry, and author and subject indexes are provided.

72-074 EC
Exceptional Children Conference Papers: Deaf-Blind, Language, and Behavior Problems April 1971. 104p. (Conference Report) ED 052 402 RIE November 1971 MF-$0.65; HC-$6.58
Deaf Blind, Aurally Handicapped, Exceptional Child Education, Language Handicapped, Language Programs
This collection includes 9 papers presented at the 49th Annual International CEC Convention held in Miami Beach, Florida in April 1971. 5 of the 9 papers in the compilation concern aurally handicapped and deaf-blind children. The remaining 4 papers treat language and behavior problems.

72-075 EC
Exceptional Children Conference Papers: Diagnostic and Resource Teaching April 1971. 105p. (Conference Report) ED 052 401 RIE November 1971 MF-$0.65; HC-$6.58
Exceptional Child Education, Diagnostic Teaching, Resource Teachers, Behavior Problems
Included are the 9 papers presented at the 49th Annual International CEC Convention in Miami Beach, Florida in April 1971. These papers deal with the impact of crisis-resource teaching on the Falls Church, Virginia public schools, the role and requirements of the diagnostic teacher, the effectiveness of resource rooms for children with specific learning disabilities, basic problems in diagnosis, an overview of school disruption, the intervention teacher and aide as contemporary educators for resolving and preventing school disruption and violence and such topics.

72-076 EC
Exceptional Children Conference Papers: Gifted and Developmental Potential in Women and the Disadvantaged April 1971. 39 p. (Conference Report) ED 052 403 RIE November 1971 MF-$0.65; HC-$3.29
Gifted, Disadvantaged Groups, Females, Exceptional Child Education, Discriminatory Attitudes (Social)
This collection contains 4 papers from the 49th CEC Annual International Convention held in Miami Beach, Florida in April 1971. A curriculum package designed for high potential students from low socioeconomic backgrounds; a decision of the barriers (social pressures and restrictions) faced by gifted girls while growing up which depress manifestations of their potential, and subtle and direct barriers baced by gifted women; and examination of whether professional women in education, especially at administrative, higher education, and supervisory levels, find their sex a barrier to advancement and equal opportunity; and a comparison of features necessary for special education programs, particularly for the gifted and retarded are included.

72-077 EC
Exceptional Children Conference Papers: Local, State, and Federal Programs April 1971. 69p. (Conference Report) ED 052 400 RIE November 1971 MF-$0.65; HC-$3.29
Handicapped Children, Exceptional Child Education, Program Descriptions
Contained are the 11 papers presented at the 49th Annual International CEC Convention held in Miami Beach, Florida in April 1971. Topics covered include a project for the development of accreditation standards for day care services for the mentally [illegible]ed, the cooperative implementation of voc[illegible]al education programs for the handicapped in Maryland, influencing legislative decision-making and in-school workshop training program for retarded students, and the National Regional Resource Center of Pennsylvania, which serves the educational needs of handicapped children.

72-078 EC
Exceptional Children Conference Papers: Physical Handicap April 1971. 33p. (Conference Report) ED 052 397 RIE November 1971 MF-$0.65; HC-$3.29
Exceptional Child Education, Physically Handicapped, Special Health Problems
Included are the 4 papers presented at the CEC 49th Annual International Convention held in Miami Beach, Florida in April 1971. The papers focus on the physically handicapped child.

72-079 EC
Exceptional Children Conference Papers: Pre-and Inservice Teacher Preparation April 1971. 113p. (Conference Report) ED 052 399 RIE November 1971 MF-$0.65
Exceptional Child Education, Teacher Education, Inservice Teacher Education, Special Education Teachers, Handicapped Children
This collection includes 8 papers presented at the 49th Annual International CEC Convention held in Miami Beach, Florida in April 1971. The papers concerning pre and inservice teacher preparation, treat such topics as a behavioral approach to conducting and evaluating inservice training, the development and analysis of criterion in the evaluation of teacher preparation and certification, and group processes and personal interrelationships as they support humanistic education.

72-080 EC
Exceptional Child Conference Papers: Specific Subject Programs for EMRs and TMRs April 1971. 93p. (Conference Report) ED 052 396 RIE November 1971 MF-$0.65; HC-$3.29
Exceptional Child Education, Mentally Handicapped, Driver Education, Program Descriptions, Educable Mentally Handicapped
This report includes 8 papers from the CEC 49th Annual International Convention held in Miami Beach, Florida April 1971. These papers focus upon specific subject programs for educable and trainable mentally retarded (EMR and TMR) students. Three of the papers concern driver education and traffic safety education for EMR students.

72-081 EC
Exceptional Children Conference Papers: Trends and Issues in Special Education April 1971. 138p. (Conference Report) ED 052 398 RIE November 1971 MF-$0.65; HC-$6.58
Educational Trends, Exceptional Child Education, Handicapped Children
The first of 6 papers focuses upon child advocacy with emphasis on exceptional children. The second paper, addressed to students, explains how students with the assistance of the Council for Exceptional Children, can effect change within the existing structure. Also presented is information on special education in Toronto; a paper on Council for Exceptional Children (CEC) responses to the challenge of special education; a view of the federal government's interest and role in educating the handicapped; and a rebuttal of criticisms of special education for the mentally retarded.

72-082 EC
Gifted and Creativity--Programs *Exceptional Child Bibliography Series*, February 1971. 22p. (Annotated Bibliography) ED 051 590 RIE October 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Creativity, Exceptional Child Education, Gifted
The bibliography contains 81 references on the gifted and creativity. References include research reports, conference papers, journal articles, texts, and program guides. Bibliographic data, availability information, indexing and retrieval descriptors, abstracts, and author and subject indexes are also provided.

72-083 EC
Gifted and Creativity Research *Exceptional Child Bibliography Series*, February 1971. 21p. (Annotated Bibliography) ED 053 520 RIE December 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Creativity, Exceptional Child Research, Gifted
Contained in the annotated bibliography are 73 references to research dealing with creativity and gifted children. Research covers such aspects as academic achievement, cognitive processes, creative thinking, individual characteristics, personality, student attitudes, teaching methods, testing, and program evaluation. For each of the entries, bibliographic data, availability information, indexing and retrieval descriptors, and a abstract are given. Also provided are author and subject indexes.

72-084 EC
Homebound or Hospitalized *Exceptional Child Bibliography Series*, February 1971. 12p. (Annotated Bibliography) ED 050 527 RIE September 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Exceptional Child Education, Homebound, Hospitalized Children
Containing 43 references, the bibliography cites research reports, conference papers, journal articles, texts, and program guides relating to homebound or hospitalized children. The document includes bibliographical data, availability information, indexing and retrieval descriptors, and abstracts for each entry. Author and subject indexes are also provided.

72-085 EC
Hyperactivity *Exceptional Child Bibliography Series*, February 1971. 6p. (Annotated Bibliography) ED 050 521 RIE September 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Emotionally Disturbed, Exceptional Child Education, Hyperactivity
Containing 27 references on hyperactivity, the bibliography cites research reports, conference papers, journal articles, texts, and program guides. Each entry provides bibliographical data, availability information, indexing and retrieval descriptors, and abstracts of the documents.

72-086 EC
IMC/RMC Network Professional Film Collection 1971. 64p. (Bibliography) ED 054 584 RIE January 1972 MF-$0.65; HC-$3.29
Exceptional Child Education, Films, Handicapped Children, Resource Guides
The compilation is a comprehensive listing of films available for the centers in the Instructional Materials Centers/Regional Media Centers (IMC/RMC) Network. A brief description of each film is provided which includes such information as the subject and scope of the film, length, color or black and white, address of distributor, and price.

72-087 EC
Instructional Materials *Exceptional Child Bibliography Series*, February 1971. 11p. (Annotated Bibliography) ED 053 510 RIE December 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Exceptional Child Education, Handicapped Children, Instructional Materials
References pertaining to instructional materials for both handicapped and gifted children are listed in the annotated bibliography. For each of the 43 entries, bibliographic data, availability information, indexing and retrieval descriptors, and an abstract are given. Also provided are author and subject indexes.

72-088 EC
Invisible College Conference on Early Childhood Education and the Exceptional Child March 1972. Cassette tape package (5 cassettes, 60 minutes). Cassette package is available from the Council for exceptional Children, Jefferson Plaza, Suite 900, 1411 South Jefferson Davis Highway, Arlington, Virginia 22202 ($75.00)
Exceptional Child Education, Handicapped Children, Early Childhood Education, Conference Reports, Audiovisual Aids, Preschool Children
This five cassette tape package gives the highlights of the presentations of the Invisible College on Early Childhood Education conducted in January 1972. Excerpts are presented from the taped presentations, and visuals are included as supplements.

72-089 EC
Juvenile Delinquency *Exceptional Child Bibliography Series*, February 1971. 11p. (Annotated Bibliography) ED 054 571 RIE January 1972 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Delinquency, Delinquents, Exceptional Child Education
The annotated bibliography contains 43 references dealing with juvenile delinquency. References include texts, journal articles, and research reports dealing with such topics as delinquency causes, delinquency prevention, rehabilitation, behavior problems, identification, emotional disturbance, socially deviant behavior, psychotherapy, behavior change, counseling, and others. For each entry, bibliographic data, availability information, indexing and retrieval descriptors, and an abstract are given. Also provided are author and subject indexes.

72-090 EC
Learning Disabilities--Programs *Exceptional Child Bibliography Series*, February 1971. 25p. (Annotated Bibliography) ED 051 596 RIE October 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Exceptional Child Education, Learning Disabilities
96 references concerning programming for children with learning disabilities are cited. References include conference papers, journal articles, texts for parents and teachers, and program guides, and provide bibliographic data, availability information, indexing and retrieval descriptors, and abstracts. Author and subject indexes are also provided.

72-091 EC
Learning Disabilities--Research *Exceptional Child Bibliography Series*, February 1971. 18p. (Annotated Bibliography) ED 051 597 RIE October 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Exceptional Child Education, Learning Disabilities
The bibliography contains 57 references on research studies relating to learning disabilities. The bibliography cites research reports concerning testing, program evaluation, learning characteristics and processes, teaching methods, behavior modification, and other topics relevant to the learning disabled child. Bibliographic data, availability information, indexing and retrieval descriptors, and abstracts are provided for each entry. Author and subject indexes are included.

72-092 EC
Let's Try Doing Something Else Kind of Thing--Precision Teaching March 1972. 20 Minute sound filmstrip. Filmstrip is available from Council for Exceptional Children, Jefferson Plaza, Suite 900, 1411 South Jefferson Davis Highway, Arlington, Virginia 22202 ($20.00)
Exceptional Child Education, Academic Achievement, Behavior Change, Filmstrips, Precision Teaching, Handicapped Children
Ann Starling describes the principles of precision teaching as they are illustrated by the action of first graders in the filmstrip.

72-093 EC
Mental Health *Exceptional Child Bibliography Series*, February 1971. 18p. (Annotated Bibliography) ED 054 578 RIE January 1972 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Emotionally Disturbed, Exceptional Child Services, Mental Health
Contained in the annotated bibliography are 66 references to documents on mental health, especially as it is related to children with emotional disturbances or other handicaps, community programs, mental health clinics and programs, prevention, psychiatric services, and other services. For each of the entries, bibliographic data, availability information, indexing and retrieval descriptors, and an abstract are given. Also provided are author and subject indexes.

72-094 EC
Minority Groups *Exceptional Child Bibliography Series*, February 1971. 20p. (Annotated Bibliography) ED 054 575 RIE January 1972 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Disadvantaged Youth, Exceptional Child Education, Minority Groups
76 references are included in the annotated bibliography dealing with minority groups, particularly the education of children from minority groups. Entries include texts, journal articles, and many research reports. Some of the major topics covered by the documents are American Indians, Mexican Americans, Negro youth, ethnic groups, cultural disadvantagement, socioeconomic disadvantagement, educational needs, environmental influences, intelligence, mental retardation, and teaching methods. The bibliography contains bibliographic data, availability information, indexing and retrieval descriptors, and abstracts for all entries. Author and subject indexes are provided.

72-095 EC
Mongolism *Exceptional Child Bibliography Series*, February 1971. 12p. (Annotated Bibliography) ED 050 524 RIE September 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Exceptional Child Education, Mongolism
Containing 53 references, the bibliography cites research reports, conference papers, journal articles, texts, and program guides in the area of mongolism. The document includes bibliographical data, availability information, indexing and retrieval descriptors, and abstracts for each reference.

72-096 EC
Multiply Handicapped *Exceptional Child Bibliography Series*, February 1971. 14p. (Annotated Bibliography) ED 051 595 RIE October 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Exceptional Child Education, Multiply Handicapped
Contained are 52 references concerning various types of multiply handicapped children. Cited are research reports, conference papers, journal articles, texts, and program guides, and provides bibliographic data, availability information, indexing and retrieval descriptors, and abstracts. Author and subject indexes are included.

72-097 EC
Parent Counseling *Exceptional Child Bibliography Series*, February 1971. 20p. (Annotated Bibliography) ED 054 573 RIE January 1972 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Counseling, Exceptional Child Services, Parent Counseling
The annotated bibliography contains 76 references dealing with the counseling of parents of exceptional children. Ranging across all handicapping conditions, physical and mental, and giftedness, the references treat such aspects of parent counseling as child rearing principles, family relationship, family counseling, group therapy, parent attitudes, parent role, parent-child relationship, and others. Entries include texts, journal articles, research reports, and other literature.

72-098 EC
Parent Education *Exceptional Child Bibliography Series*, February 1971. 20p. (Annotated Bibliography) ED 053 513 RIE December 1971 MF-$0.65; HC-$3.29
Handicapped Children, Parent Education, Parent Role, Annotated Bibliographies, Exceptional Child Education
This bibliography, relating to handicapped and gifted children, contains 92 references. Manuals, guides, presentations of suggested activities and child rearing techniques, and other such informative documents addressed to parents or concerned with the role of parents of exceptional children are included. Bibliographic data, availability information, indexing and retrieval descriptors, and an abstract are given for each entry. Author and subject indexes are provided.

72-099 EC
Perceptual-Motor Development *Exceptional Child Bibliography Series*, February 1971. 23p. (Annotated Bibliography) ED 052 574 RIE November 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Exceptional Child Education, Motor Development, Perceptual Motor Coordination, Perceptual Motor Learning
This bibliography, dealing with handicapped and gifted children, contains 96 references concerning perceptual-motor development and learning. Entires include research reports, texts, journal articles, and other types of literature. Given are bibliographic data, availability information, indexing and retrieval terms, and abstracts for all entires. Also provided are author and subject indexes.

72-100 EC
Physical Education and Recreation *Exceptional Child Bibliography Series*, February 1971. 19p. (Annotated Bibliography) ED 051 593 RIE October 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Exceptional Child Education, Physical Education, Recreation
Contained are 73 references on physical education and recreation. References include research reports, conference papers, journal articles, texts, and program guides. Bibliographic data, availability information, indexing and retrieval descriptors, abstracts, and author and subject indexes are also provided.

72-101 EC
Physical Facilities *Exceptional Child Bibliography Series*, February 1971. 22p. (Annotated Bibliography) ED 053 516 RIE December 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Educational Facilities, Exceptional Child Education, Handicapped Children, Physical Facilities
The annotated bibliography contains 91 references dealing with physical facilities, educational or institutional, for exceptional children. The entires, which include texts, journal articles, research reports, program guides, and other literature, treat such topics as environmental influences, acoustics, architectural programing, building design, classroom arrangement, design needs, lighting, sanitary facilities, and space utilization. Bibliographic data, availability information, indexing and retrieval descriptors, and abstracts are given for all entires. Subject and author indexes are provided.

72-102 EC
Physically Handicapped and Special Health Problems *Exceptional Child Bibliography Series*, February 1971. 21p. (Annotated Bibliography) ED 052 572 RIE November 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Exceptional Child Education, Physically Handicapped, Special Health Problems
Contained in the bibliography are 77 references to texts, journal articles, program guides, research and medical reports, and other literature on physically handicapped children and children with other special health problems. For each of the references, bibliographic data, availability information, indexing and retrieval descriptors, and an abstract are given. Also provided are author and subject indexes.

72-103 EC
Preschool and Early Childhood *Exceptional Child Bibliography Series*, February 1971. 19p. (Annotated Bibliography) ED 050 526 RIE September 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Early Childhood Education, Exceptional Child Education, Preschool Children
Cited are 67 items relating to preschool and early childhood. Bibliographical data, availability information, indexing and retrieval descriptors, and abstracts are provided for each entry. The bibliography contains references on research reports, conference papers, journal articles, texts, and program guides. Author and subject indexes are also included.

72-104 EC
Professional Education *Exceptional Child Bibliography Series*, February 1971. 24p. (Annotated Bibliography) ED 053 517 RIE February 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Exceptional Child Education, Professional Education, Teacher Education
100 references are included in the annotated bibliography dealing with the education and training of both teachers and other professionals who are concerned with exceptional children, both handicapped and gifted. Entries include texts, journal articles, research reports, and other literature. The bibliography, contains bibliographic data, availability information, indexing and retrieval descriptors, and abstracts for all entries. Author and subject indexes are provided.

72-105 EC
Programed Instruction *Exceptional Child Bibliography Series*, February 1971. 2p. (Annotated Bibliography) ED 054 581 RIE January 1972 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Exceptional Child Education, Handicapped Children, Programed Instruction
72 references are included in this annotated bibliography on programed instruction. Given for all entries, which include texts, journal articles, and many research reports, are bibliographic data, availability information, indexing and retrieval descriptors, and an abstract. Author and subject indexes to the bibliography are provided.

72-106 EC
Reading Methods and Problems *Exceptional Child Bibliography Series*, February 1971. 15p. (Annotated Bibliography) ED 051 594 RIE October 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Exceptional Child Education, Reading Difficulty, Remedial Reading
Cited are 57 references relating to reading methods and problems applicable to handicapped children. Cited are research reports, conference papers, journal articles, texts, and program guides on such topics as diagnosis of remediation, dyslexia, skill development, perpetual handicaps, and instructional materials. Bibliographic data, availability information, indexing and retrieval descriptors, and abstracts are provided for each entry. Author and subject indexes are also included.

72-107 EC
Regular Class Placement/Special Classes *Exceptional Child Bibliography Series*, February 1971. 15p. (Annotated Bibliography) ED 052 567 RIE November 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Exceptional Child Education, Regular Class Placement, Special Classes
Cited are 56 references dealing with the issue of regular or special class placement for exceptional children. Entries include texts, journal articles, conference papers, research reports, and other literature. Given are bibliographic data, availability information, indexing and retrieval descriptors, and an abstract for each entry. Both an author and a subject index are included.

72-108 EC
A Selected Guide to Public Agencies Concerned with Exceptional Children June 1971. 10p. (Directory) ED 054 583 RIE January 1972 MF-$0.65; HC-$3.29
Agencies, Directories, Exceptional Child Services, Handicapped Children, National Organizations
The annotated directory of national associations, organizations, and agencies whose services relate to both handicapped and gifted children contains 89 entries, listed alphabetically. Following the name, address, and phone number (where available) of each organization, a descriptive paragraph summarizes its purpose, membership requirements, publications, sponsorship of conferences, and affiliations with local chapters. The guide is intended as a useful resource for educators and parents seeking needed information and service.

72-109 EC
Slow Learners *Exceptional Child Bibliography Series*, February 1971. 21p. (Annotated Bibliography) ED 054 574 RIE January 1972 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Exceptional Child Education, Slow Learners
The annotated bibliography contains 83 references dealing with slow learners. The entries, which include journal articles, texts, research reports, curriculum guides, and teaching guides, treat such topics as the following, as they relate to slow learners: academic achievement, curriculum, disadvantaged youth, educable (mildly) mentally retarded, ability grouping, instructional materials, motivation, giftedness and underachievement, subject matter, vocational education, and teaching methods. Bibliographic data, availability information, indexing and retrieval descriptors, and an abstract are provided for each entry.

72-110 EC
Speech Handicapped--Programs *Exceptional Child Bibliography Series*, February 1971. 14p. (Annotated Bibliography) ED 052 570 RIE November 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Exceptional Child Education, Program Descriptions, Speech Handicapped
References pertaining to instructional programs and therapy for speech handicapped children are listed in the bibliography. For each of the 49 entries, bibliographic data, availability information, indexing and retrieval descriptors, and an abstract are given. Also provided are author and subject indexes. References include manuals, program and curriculum guides, texts, journal articles, conference papers, and other publications.

72-111 EC
Speech Handicapped--Research *Exceptional Child Bibliography Series*, February 1971. 24p. (Annotated Bibliography) ED 052 571 RIE November 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Exceptional Child Research, Speech Handicapped
Listed are 100 references pertaining to research with speech handicapped children. Bibliographic data, availability information, indexing and retrieval terms, and abstracts are given for all entries, which include research reports, texts, journal articles, experimental program descriptions, and other research-related literature. Subject and author indexes to the bibliography are provided.

72-112 EC
Teacher Aids and Nonprofessional Personnel *Exceptional Child Bibliography Series*, February 1971. 20p. (Annotated Bibliography) ED 054 576 RIE January 1972 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Exceptional Child Education, Nonprofessional Personnel, Teacher Aides
References pertaining to teacher aides and nonprofessional personnel (in schools, institutions, or elsewhere) as they relate to handicapped children are listed in the annotated bibliography. For each of the 85 entries, bibliographic data, availability information, indexing and retrieval descriptors, and an abstract are given. Also provided are author and subject indexes. References include texts, journal articles, research reports, program guidelines and other literature.

72-113 EC
Trainable Mentally Handicapped--Programs *Exceptional Child Bibliography Series*, February 1971. 15p. (Annotated Bibliography) ED 053 521 RIE December 1971 MF-$0.65; HC-$3.29
Bibliographies, Annotated Bibliographies, Exceptional Child Education, Trainable Mentally Handicapped
Contained in the annotated bibliography are 58 references to texts, journal articles, program and curriculum guides, teaching guides, and other literature related to programs for trainable mentally retarded children. Such topics as curriculum, instructional materials, language development, program planning, self care skills, teaching methods, vocational education, and many others are covered. For each of the references, bibliographic data, availability information, indexing and retrieval information, and an abstract are given. Author and subject indexes are provided.

72-114 EC
Trainable Mentally Handicapped--Research *Exceptional Child Bibliography Series*, February 1971. 21p. (Annotated Bibliography) ED 053 522 RIE December 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Custodial Mentally Handicapped, Exceptional Child Research, Trainable Mentally Handicapped
Listed in the annotated bibliography are 78 references to research dealing with the trainable and custodial mentally retarded. The research treats such subjects as behavior modification, use of reinforcement and operant conditioning, teaching methods, testing and various aspects of child development. For all entries, bibliographic data, availability information, indexing and retrieval descriptors, and an abstract are given. Also provided are an author index and a subject index.

72-115 EC
Visually Handicapped--Programs *Exceptional Child Bibliography Series*, February 1971. 15p. (Annotated Bibliography) ED 051 600 RIE October 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Exceptional Child Education, Visually Handicapped
Contained are 53 references concerning educational and home programing for visually handicapped children. The bibliography cites texts for parents and teachers on topics such as mobility and orientation, programed instruction, legal considerations, physical education, career planning, recreation, and other topics relevant to the blind. Bibliographic data, availability information, indexing and retrieval descriptors, and abstracts are provided for each entry, and a author and subject indexes are included.

72-116 EC
Visually Handicapped--Research *Exceptional Child Bibliography Series*, February 1971. 22p. (Annotated Bibliography) ED 051 601 RIE October 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Bibliographies, Exceptional Child Education, Research Projects, Research Reviews (Publications), Visually Handicapped
Cited are 81 references on research studies of visually handicapped children. References include research reports on screening and identification, listening abilities, visually impairment. Bibliographic data, availability information, indexing and retrieval descriptors, and abstracts are included for each entry, and author and subject indexes are provided.

72-117 EC
Vocational Training *Exceptional Child Bibliography Series*, February 1971. 25p. (Annotated Bibliography) ED 053 515 RIE December 1971 MF-$0.65; HC-$3.29
Annotated Bibliographies, Exceptional Child Education, Handicapped Children, Vocational Education, Vocational Rehabilitation
The annotated bibliography contains 88 references dealing with vocational education and vocational rehabilitation, including such topics as prevocational preparation, work-study programs, sheltered workshops, job placement, and others. Entries include texts, journal articles, curriculum guides, research reports, and other literature. Given are bibliographic data, availability information, indexing and retrieval descriptors, and an abstract for each entry. Both an author and a subject index are included

72-118 EC
What Behavior Research Says to the Classroom Teacher: An Interview with Richard E. Shores *Teaching Exceptional Children*, v4 n3, Summer 1972. 8p. (Journal Article)
Exceptional Child Research, Operant Conditioning, Behavior Change, Reinforcement, Behavior Problems, Handicapped Children, Discipline Problems
The ways in which the classroom environment can affect the behavior of children are described.

72-119 EC
Allen, K. Eileen **Behavior Modification: What Teachers of Young Exceptional Children Can Do** *Teaching Exceptional Children*, v4 n3, Spring 1972. (Journal Article)
Exceptional Child Education, Behavior Problems, Early Childhood, Teacher Education, Behavior Change, Learning Disabilities
Presented are descriptions of how behavior modification can be used in early childhood to overcome behavior disorders and learning disabilities.

72-120 EC
Auxter, David M. **Evaluation of Perceptual Motor Training Programs** *Teaching Exceptional Children*, v4 n2, pp.89-97. 9pp (Journal Article)
Exceptional Child Education, Perceptually Handicapped, Perceptual Motor Coordination, Program Evaluation, Learning Disabilities, Education Needs
Guidelines are provided for the selection of gross perceptual motor training programs and their effectiveness in fulfilling various needs of children. All elements of program assessment are important, and it appears that if one of these elements is largely missing, there may be considerable detriment to the value of the program.

72-121 EC
Balmer, JoAnn **Project Tutor--Look! I Can Do Something Good!** *Teaching Exceptional Children*, v4 n4, Summer 1972. 6p. (Journal Article)
Exceptional Child Education, Underachievers, Peer Relationship, Intermediate Grades, Tutoring, Handicapped Children, Self Concept
A description is provided of how one school staff helped to improve the self-concept of fourth, fifth and sixth graders and of handicapped children through a peer tutoring program.

72-122 EC
Barker, Elaine **CEC ERIC's The Now Way to Know: Current and Significant: ENCOR--A Community's Alternative to Institutionalization** *Education and Training of the Mentally Retarded*, v6 n4, pp185-190, December 1971. 6p. (Journal Article)
Mentally Handicapped, Community Programs, Placement, Community Services
Included is a description of the program of the Eastern Nebraska Community Office of Retardation which is attempting normalization of the retarded person into the community rather than resorting to institutionalization.

72-123 EC
Bloch, Judith **Nonverbal Messages--A Means to Verbalization** *Teaching Exceptional Children*, v4 n1, pp.10-17, Fall 1971. 8p. (Journal Article)
Exceptional Child Education, Special Classes, Language Development, Language Instruction
The story of an 8 year old boy and the therapeutic nursery-kindergarten program through which he acquired language skills are discussed in this article.

72-124 EC
Bloom, Barbara; And Others **New Instructional Program Teaches Personal Property Concept to Trainable Children** *Teaching Exceptional Children*, v3 n4, pp.194-200, Summer 1971. 7p. (Journal Article)
Exceptional Child Education, Mentally Handicapped, Trainable Mentally Handicapped, Socialization, Teaching Methods
A new teaching package, developed by the University of Wisconsin SEIMC, which teaches children the concept of "belongs to" is described.

72-125 EC
Blum, Evelyn R. **Fitting In** *Teaching Exceptional Children*, v3 n4, pp.172-180, Summer 1971. 9p. (Journal Article)
Exceptional Child Education, Regular Class Placement, Peer Acceptance, Behavior Change
How two students adjust to regular class placement and gain peer acceptance by successfully using behavior modification techniques on their classmates is described.

72-126 EC
Brown, Lou; And Others **Trainable Pupils Learn to Teach Each Other** *Teaching Exceptional Children*, v4 n1, pp.18-24, Fall 1971. 7p. (Journal Article)
Exceptional Child Education, Mentally Handicapped, Trainable Mentally Handicapped, Peer Groups, Tutoring
In the 5-part program described, trainable students teach each other to label words and become active participants in the undertaking.

72-127 EC
Collings, Gary **Field Trips = Planning + Learning + Fun** *Teaching Exceptional Children*, v4 n4, Summer 1972. 6p. (Journal Article)
Exceptional Child Education, Program Planning, Field Trips, Outdoor Education, Mentally Handicapped, Primary Grades
Techniques for planning a successful field trip as a complement to the academic program are described.

72-128 EC
Dailey, Rebecca F. **CEC ERIC's The Now Way to Know: ME NOW--Life Sciences for the Mentally Retarded** *Education and Training of the Mentally Retarded*, v6 n3, pp127-131, October 1971. 5p. (Journal Article)
Exceptional Child Education, Mentally Handicapped, Educable Mentally Handicapped, Sciences, Curriculum Development
Described is a life science program developed for educable mentally retarded students ages 10-14 by the Biological Sciences Curriculum Study (BSCS).

72-129 EC
Dailey, Rebecca F. **Media in the Round--Learning in the Special Experience Room** *Teaching Exceptional Children*, v4 n1, pp.4-9, Fall 1971. 6p. (Journal Article)
Media Technology, Instructional Media, Sensory Experience, Perceptual Motor Learning
Described is an unusual school's Special Experience Room where children can be surrounded by the sights, sounds, and smells of inaccessible experiences. In addition, the room can be used to help develop perceptual motor abilities.

72-130 EC
Dailey, Rebecca; And Others **Thesaurus for Exceptional Child Education. Second Edition** July 1971. 15p. (Thesaurus) ED 052 554 RIE November 1971 MF-$0.65; HC-$3.29
Exceptional Child Education, Indexing, Subject Index Terms, Thesauri
Listed are terms relevant to the indexing of professional materials in the field of exceptional child education. Entries are approved descriptors appearing in the "Thesaurus of ERIC Descriptors" used by the Educational Resources Information Center (ERIC) Clearinghouses, and were selected on the basis of particular need to the Clearinghouse on Exceptional Children. (First edition to thesaurus entered as ED 042 320 RIE January 1971).

72-131 EC
Dailey, Rebecca; And Others **Thesaurus for Special Education Instructional Materials** July 1971. 12p. (Thesaurus) ED 052 553 RIE November 1971 MF-$0.65; HC-$3.29
Exceptional Child Education, Indexing, Instructional Materials, Subject Index Terms, Thesauri
The thesaurus is intended as a preliminary standardization and clarification of terms used to index special education instructional materials throughout the Special Education Instructional Materials Centers/Regional Media Centers (IMC/RMC) Network. Over 400 indexing terms are included. Related terms are cross referenced and selective usage notes are provided.

72-132 EC
Dailey, Rebecca F. **Workshops That Work: SEIMC/RMC Inservice Training** *Teaching Exceptional Children*, v4 n2, pp.71-73, Winter 1972. 3p. (Journal Article)
Exceptional Child Education, Gifted, Instructional Materials Centers, Conference Reports, Inservice Teacher Education, Workshops, Handicapped Children
Numerous sessions related to inservice teacher training which were held at the 50th Annual International CEC Convention in March 1972, in Washington, D.C. are described. Teachers become teacher trainers by combining new workshop techniques with their own experiences and know-how.

72-133 EC
Deno, Evelyn **Special Education Delivery: The Need for Reform** January 1972. 15p. (Paper) ED 058 677 RIE May 1972 MF-$0.65; HC-$3.29
Exceptional Child Education, Educational Needs, Handicapped Children, Educational Objectives
The nine recommendations of some of the reforms needed in special education concern state role, cross categorical orientation, use of Federal funds, program evaluation, and other program features. It is concluded that, if action is not taken, instructional practices of demonstrated inefficiency will be perpetuated and resources will be wasted.

72-134 EC
Evans, Joyce S. **Classroom Planning for Young Special Children** *Teaching Exceptional Children*, v4 n2, pp.56-61, Winter 1972. 6p. (Journal Article)
Exceptional Child Education, Classroom Environment, Classroom Arrangement, Handicapped Children, Class Management
Organizer, architect, decorator--are all roles of the classroom teacher who carefully plans the educational setting in which her students actively participate. Classrooms for young children with special problems can be divided into quiet, semi-quiet and noisy areas which are conducive to learning.

72-135 EC

Frank, Alan R.; Holsten, Gretchen **Banking on Rewards** *Teaching Exceptional Children*, v4 n2, pp.62-65, Winter 1972. 4p. (Journal Article)

Exceptional Child Education, Teaching Methods, Positive Reinforcement, Money Management, Behavior Change, Operant Conditioning

Special education programs for secondary age educable mentally retarded students typically stress practical skills. One skill which is of considerable importance to these students is the ability to use their money wisely. A major facet of efficient use of money is banking. In order to help students understand banking, it is important to present these concepts in a concrete and meaningful manner. This article suggests one such concrete method of presenting banking concepts to secondary age mentally retarded children.

72-136 EC

Gallagher, James J. **The Search for the Educational System That Doesn't Exist** January 1972. 11p. (Paper) ED 057 550 RIE April 1972 MF-$0.65; HC-$3.29

Exceptional Child Education, Educational Trends, Educational Philosophy, Handicapped Children, Educational Needs

The author critically analyzes the current American educational system and philosophy, with emphasis on educational needs of handicapped children. System elements thought to be needed in the field of special education are discussed such as, planning and evaluation on a national level, improved training of special educators, more sustained research and development, educational communication centers and demonstration centers for materials and methods.

72-137 EC

Glassman, Lynne, comp.; Erickson, Donald, comp. **A Selected Guide to Government Agencies Concerned with Exceptional Children** 1971. 18p. (Directory) ED 054 582 RIE January 1972 MF-$0.65; HC-$3.29

Directories, Exceptional Child Services, Federal Program, Handicapped Children

The compilation of information on government agencies concerned with exceptional children is based on data available as of April 1971. Intended as a resource guide for persons involved in activities for the handicapped, the directory provides basic information on a broad spectrum of government programs. In addition to names, addresses, and phone numbers of each center or project, brief narrative descriptions of each type of government agency service or program are included in the guide.

72-138 EC

Jordan, June B. **CEC ERIC's The Now Way to Know: Current and Significant: The Curriculun R & D Center in Mental Retardation** *Education and Training of the Mentally Retarded*, v6 n2, pp.85-87, April 1971. 3p. (Journal Article)

Exceptional Child Research, Mentally Handicapped, Research and Development Centers, Curriculum Development, Facilities

A description is given of the Curriculum research and Development Center in Mental Retardation at Yeshiva University which is attempting to improve educational programs for retarded children in special classes, regular classes, and in tutorial settings.

72-139 EC

Jordan, June B.; Dailey, Rebecca F. **CEC ERIC's The Now Way to Know: Current Thoughts and Actions Concerning the Retarded Student** *Education and Training of the Mentally Retarded*, v7 n1, pp.60-63, February 1972. 3p. (Journal Article)

Exceptional Child Education, Handicapped Children, State Programs, State Surveys, Departments of Education, Mentally Handicapped, Telephone Instruction

Included are 2 previews: one an advance analysis from the Dimensions II report and the other a look at AT&T's current efforts in developing instructional materials for teaching the use of the telephone to special class children.

72-140 EC

Jordan, June B.; Dailey, Rebecca F. **CEC ERIC's The Now Way to Know** *Education and Training of the Mentally Retarded*, v7 n1, February 1972. 3p. (Journal Column)

Exceptional Child Research, Special Classes, Mentally Handicapped, Telephone Instruction, Instructional Materials

This column gives two previews--one an advance analysis of telephone interviews and the other a brief look at AT&T's materials for special class use.

72-141 EC

Jordan, June B., ed.; Robbins, Lynn S., ed. **Let's Try Doing Something Else Kind of Thing--Behavioral Principles and the Exceptional Child** March 1972. 144p. (Monograph) ED 060 581 RIE July 1972 MF-$0.65; HC-$6.58

Exceptional Child Education, Teaching Methods, Behavior Change, Rating Scales, Charts, Precision Teaching, Handicapped Children

The document, intended to convey some practical application of behavior principles to teachers and teacher educators involved with exceptional children, is a synthesis of the 12 presentations from the CEC Invisible College on the Application of Behavioral Principles in Exceptional Child Education (March 25-26, 1971). Some specific topics included are: the history and development of precision teaching, students' individualized curricula, the setting of aims, behavior modification applied to speech therapy, and implications of the behavioral approach for the education of the gifted.

72-142 EC

Knight, John J. **Teacher Produced Slides Aid Reading for Low Vision Children** *Teaching Exceptional Children*, v3 n4, pp.202-208, Summer 1971. 7p. (Journal Article)

Exceptional Child Education, Visually Handicapped, Partially Sighted, Instructional Materials, Reading, Teacher Developed Materials

This article suggests that an automatic programed teaching machine can be created with a reflection box, a slide projector, and tape recorder. Slidemaking is described by means of a step-by-step illustrated instruction list.

72-143 EC

Luchow, Jed P. **Selecting Picture Storybooks for Young Children with Learning Disabilities** *Teaching Exceptional Children*, v4 n4, Summer 1972. 6p. (Journal Article)

Exceptional Child Education, Early Childhood, Learning Disabilities, Story Telling, Childrens Books

The content and illustration factors which are important in selecting picture storybooks for young learning disabled children are presented.

72-144 EC

McDonald, Phyllis L., ed. **Kaleidoscope: Emerging Patterns in Media. Highlights of the December 1970 CEC San Antonio Conference** May 1971. 62p. (Monograph) ED 055 403 RIE February 1972 MF-$0.65; HC-$3.29

Exceptional Child Education, Handicapped Children, Instructional Media

This is a report of the December 1970 San Antonio conference on Instructional Technology in the Education of Exceptional Children. The monography describes classroom applications of instructional technology, how to plan for change in education using instructional technology, and teacher training packages.

72-145 EC

Miley, Betty **Come Up to the Mountains Some Fine Day!** *Teaching Exceptional Children*, v4 n4, Summer 1972. 5p. (Journal Article)

Exceptional Child Education, Educable Mentally Handicapped, Field Trips, Outdoor Education, Enrichment Activities, Mentally Handicapped, Sensory Experience

Described in this journal article is the creativity which was stimulated in the classroom upon returning from a field trip.

72-146 EC

Morsink, Catherine **Activities to Develop Readiness for Auditory Discrimination** *Teaching Exceptional Children*, v4 n2, pp.81-88, Winter 1972. 8p. (Journal Article)

Exceptional Child Education, Auditory Training, Guidelines, Auditory Perception, Aurally Handicapped

Various activities which can be used to help children develop auditory discrimination are pinpointed. These procedures have been found helpful in establishing readiness for a carefully sequenced program in letter-sound discrimination.

72-147 EC

Murphy, Harry; Delmonte, Orlene **Snapping Pictures for Communication Skills** *Teaching Exceptional Children*, v3 n4, pp.169-171, Summer 1971. 3p. (Journal Article)

Exceptional Child Education, Aurally Handicapped, Early Childhood Education, Language Instruction, Instructional Materials [Polaroid Cameras]

How preschool deaf children discover that their polaroid cameras can make homework fun and language learning easier is described.

72-148 EC

Neeley, Edna **Cars Motivate Nonreaders? Of Course!** *Teaching Exceptional Children*, v4 n3, Spring 1972. 3p. (Journal Article)

Exceptional Child Education, Reading, Adolescents, Reading Skills, Motivation, Handicapped Children

Teachers can improve reading skills and motivate teenage nonreaders by capitalizing on their interest in cars.

72-149 EC

Oldsen, Carl F., ed. **Exceptional Child Education Abstracts. Volume 3, Number 2** August 1971. 159p. (Abstract Journal) HC-available from the Council for Exceptional Children, Jefferson Plaza, Suite 900, 1411 South Jefferson Davis Highway, Arlington, Virginia 22202 ($50.00 for institutional subscriptions, published four times a year).

Exceptional Child Education, Exceptional Child Research, Handicapped Children, Gifted, Abstracts, Periodicals

"Exceptional Child Education Abstracts" provides comprehensive abstract coverage of important publications in the field of special education. It is intended for persons working or studying in any field involving the education of the handicapped or gifted, and those engaged in publishing, research and writing of surveys. Coverage includes research reports, journal articles, curriculum guides, teachers' activity manuals, administrative surveys and guidelines, and texts for both professionals and beginning students. The publication includes ERIC (Educational Resources Information Center) abstracts on the handicapped and gifted.

72-150 EC

Oldsen, Carl F., ed. **Exceptional Child Education Abstracts. Volume 3, Number 3** November 1971. 178p. (Abstract Journal) HC-available from the Council for Exceptional Children, Jefferson Davis Highway, Arlington, Virginia 22202 ($50.00 for institutional subscriptions, published four times a year)

Exceptional Child Education, Exceptional Child Research, Handicapped Children, Gifted, Abstracts, Periodicals

"Exceptional Child Education Abstracts" provides comprehensive abstract coverage of important publications in the field of special education. It is intended for persons working or studying in any field involving the education of the handicapped or gifted, and those engaged in publishing, research and writing of surveys. Coverage includes research reports, journal articles, curriculum guides, teachers' activity manuals, administrative surveys and guidelines, and texts for both professionals and beginning students. The publication includes ERIC (Educational Resources Information Center) abstracts on the handicapped and gifted.

72-151 EC

Oldsen, Carl F., ed.; And Others **Exceptional Child Education Abstracts, Volume 3, Number 4** February 1972. 199p. (Abstract Journal) HC-available from the Council for Exceptional Children, Jefferson Plaza, Suite 900, 1411 South Jefferson Davis Highway, Arlington, Virginia 22202 ($50.00 for institutional subscriptions, published four times a year)

Exceptional Child Education, Exceptional Child Research, Handicapped Children, Gifted, Abstracts, Periodicals, Exceptional Child Services, Publications, Reference Materials, Special Education

"Exceptional Child Education Abstracts" provides comprehensive abstract coverage of important publications in all aspects of the field of special education. It is intended for persons working or studying in any field involving the education of the handicapped or gifted, and those engaged in publishing, research and writing of surveys. Coverage includes such publications as research reports, journal articles, curriculum guides, and teachers' activity manuals. The publication also includes abstracts of ERIC documents on the handicapped and gifted.

72-152 EC

Perlmutter, Ruth **Constructing** *Teaching Exceptional Children*, v4 n1, pp34-41, Fall 1971. 8p. (Journal Article)

Exceptional Child Education, Handicrafts, Creative Expression

Imaginative ways in which children can make attractive and enjoyable items from objects which normally would be discarded are described in this article.

72-153 EC

Perlmutter, Ruth **Papercrafts and Mobiles** *Teaching Exceptional Children*, v4 n3, Spring 1972. 8p. (Journal Article)

Exceptional Child Education, Mentally Handicapped, Art, Art Materials, Guidelines

Description of art projects that can be used with exceptional children as they learn to make mobiles and various objects from paper are presented.

72-154 EC

Pisarchick, Sally E. **Project Support: Teens Turn Paraprofessional** *Teaching Exceptional Children*, v4 n2, pp.66-70, Winter 1972. 5p. (Journal Article)

Exceptional Child Education, Services, Nonprofessional Personnel, Handicapped Children, Adolescents

How a school district expanded its services for all children by instituting a paraprofessional training program for teens who were interested in working with exceptional children is described.

72-155 EC

Reilly, Vera **Reversals in Writing: Some Suggestion for Teachers** *Teaching Exceptional Children*, v4 n3, Spring 1972. 4p. (Journal Article)

Exceptional Child Education, Handwriting, Language Instruction, Learning Disabilities, Games

A description is given of some games which can help children avoid letter reversals.

72-156 EC

Robbins, Lynn S.; Soeffing, Marylane **CEC ERIC's The Now Way to Know--From the R& Centers: Research Leading to Classroom Techniques.** *Education and Training of the Mentally Retarded*, v7 n2, April 1972. 6p. (Journal Column)

Exceptional Child Research, Research and Development Centers, Mentally Handicapped, Teaching Methods

This column describes interviews with the directors of research projects at the five Research and Development Center. Programs which will give teachers practical help in teaching mentally retarded children are highlighted in this column.

72-157 EC

Shea, Thomas M.; And Others **Outdoor Living and Learning Complement Each Other** *Teaching Exceptional Children*, v4 n3, Spring 1972. 10p. (Journal Article)

Exceptional Child Education, Learning Processes, Outdoor Education, Handicapped Children, Camping

A camp is described which can be made into a year round facility where outdoor living and learning complement each other and where children can learn inadvertently.

72-158 EC

Silbertstein, Marie M. **Le Petit Cafe's Recipe for Successful Student Interrelationships** *Teaching Exceptional Children*, v4 n1, pp.42-45, Fall 1971. 4p. (Journal Article)

Exceptional Child Education, Mentally Handicapped, Vocational Education, On the Job Training, Peer Relationship, Food Service Workers

Contained is a description of an interdepartmental program in which students run a cafeteria for their teachers. On the job training is provided and retarded students are integrated with other students through participation in this program.

72-159 EC

Volkmor, Cora B.; Langstaff, Anne L. **Developing Visual Perception Abilities** *Teaching Exceptional Children*, v4 n1, pp.29-33, Fall 1971. 5p. (Journal Article)

Exceptional Child Education, Perceptually Handicapped, Visual Perception, Teaching Methods

Procedures are described for helping perceptually handicapped children study familiar objects and learn to recognize, recall, and reconstruct them by discriminating among their sizes, shapes, and colors.

72-160 EC

Winnick, Joseph P; Landers, Daniel M. **Try Trampolining with Handicapped Children** *Teaching Exceptional Children*, v3 n4, pp.181-188, Summer 1971. 8p. (Journal Article)

Exceptional Child Education, Handicapped Children, Physical Education, Athletic Equipment

This article attempts to show how the trampoline can be a very strong reinforcer for learning and includes a performance checklist and guidelines for safety.

72-161 EM

Instructional Technology Subject Matter Descriptors: A Subset of the ERIC Thesaurus November 1971. 14p. (Thesaurus) ED 055 436 RIE February 1972 HC-ERIC Clearinghouse on Educational Media and Technology, Stanford University, Stanford, California 94305 (single copies available upon request)

Indexing, Thesauri

A "mini-thesaurus" has been prepared by the ERIC Clearinghouse on Media and Technology. It is intended not only to provide a list of ERIC terms associated with instructional technology, but also to put those terms into an arrangement whereby an ERIC indexer or user who is not familiar with the area can find the right terminology for this retrieval problem.

72-162 EM

Coombs, Don H. **The ERIC System--A Status Report** *British Journal of Educational Technology*, v2 n3, pp.205-210, October 1971. 5p. (Journal Article)

Clearinghouses, Resource Centers, Information Systems, Educational Resources, Educational Technology

The Director of the ERIC Clearinghouse on Media and Technology attempts "an objective consideration of just how useful today's system is to individuals seeking information on educational technology."

72-163 EM

Coombs, Don H. **Information Sources in Educational Technology** *Audiovisual Instruction*, v16 n6, pp.32-33, June/July 1971. 2p. (Journal Article)

Educational Technology, Information Sources

Addresses for 7 information sources in the general area of educational technology are presented.

72-164 EM

Dale, Edgar; Belland, John **Guide to the Literature on Audiovisual Instruction** September 1971. 20p. (Literature Review) ED 054 615 RIE January 1972 MF-$0.65; HC-$3.29

Annotated Bibliographies, Audiovisual Aids, Audiovisual Instruction, Instructional Technology

The philosophical overview which introduces this review of the literature on audiovisual instruction concentrates on the historical background of the field and its place within the broader fields of communication, education, and communication theory and research. A selected bibliography is provided for the major areas in instructional technology. A brief introduction to each of these topics serves as annotation.

72-165 EM

Geis, George L. **Behavioral Objectives; A Selected Bibliography and Brief Review** April 1972. 23p. (Annotated Bibliography) ED 060 671 RIE July 1972 MF-$0.65; HC-$3.29

Guides, Literature Reviews, Behavioral Objectives

What are behavioral objectives? Why write and use behavioral objectives? Where do behavioral objectives come from? These three questions are answered in some detail in this paper; lists of selected references and resources and an annotated bibliography of "how-to" books accompany the text which summarizes much of the research dealing with behavioral objectives. The author states that behavioral objectives are "the first step in making more effective, systematic, and rational that most previous, most human activity--teaching others."

72-166 EM

Hoban, Charles F. **The State of the Art of Instructional Films** September 1971. 37p. (State-of-the-Art Review) ED 055 432 RIE February 1971 MF-$0.65; HC-$3.29

Educational Research, Film Libraries, Instructional Films, Instructional Technology, Literature Reviews

The boundaries of knowledge and performance capabilities of instructional films are extending outward, but largely in directions that are somewhat neglected in the professional literature. This expansion and its directions are the concerns of this review.

72-167 EM

Morgan, Robert P.; Singh, Jai P. **A Guide to the Literature on Application of Communications Satellites to Educational Development** April 1972. 23p. (Annotated Bibliography) ED 060 661 RIE July 1972 MF-$0.65; HC-$3.29

Educational Change, Communication Satellites, Annotated Bibliographies

This literature guide provides an introduction to satellite technology; to nontechnical aspects of satellites, including economic, organizational, social, political, and legal factors; and to educational and developmental uses of satellites, including experiments and systems planned or proposed. Also included is a basic reference shelf and a guide to organizations with interest in educational satellite utilization. A bibliography which lists other relevant entries concludes the paper.

72-168 EM

Shapiro, Peter D. **After Data Collection: Coding-An Educational Research Tool** April 1972. 14p. (Monograph) ED 061 770 RIE August 1972 MF-$0.65; HC-$3.29

Research Methodology, Statistical Analysis, Codification

A brief and simple guide discusses the place and purpose of coding experimental data in the research process. The trade-offs involved unitizing data are reviewed. A discussion of categorizing data includes information on building the category set, the relationship of categories within a set, and designing the discrete-category code. Ways of calculating reliability are presented to allow the researcher to measure the equivalence of results when different coders classify the same data using the same set of categories.

72-169 EM
Siebert, Warren F. **Broadcasting and Education** *Educational Broadcasting Review*, v6 n3, pp.139-150, June 1972. 13p. (Journal Article)
Instructional Technology, Broadcast Industry, Television, Instructional Television
The history of educational broadcasting has been marked by a succession of new technologies launched before the older ones were fully understood and used. The effect of the Corporation for Public Broadcasting, microteaching, instructional television fixed service (ITFS), radio, cable television, and video cassettes need careful examination. Four problems require prompt consideration: education--intra-educational relations, creative accomodation to change, professionalism, and learning research.

72-170 EM
Siebert, Warren F. **Instructional Television: The Best of ERIC** April 1972. 34p. (Annotated Bibliography) ED 062 830 RIE September 1972 MF-$0.65; HC-$3.29
Instructional Television, Television, Televised Instruction, Educational Television
A computerized search of the information file in the national ERIC system revealed hundreds of reports and papers concerning instructional television; the author chose the most relevant for inclusion in this bibliography. The material is divided into categories: general; bibliographies, literature guides and overviews; national issues; and project reports. For each document the author, title, abstract, and complete ordering information are provided.

72-171 EM
Sitts, Maxine K. **1972 Research Abstract Kit for the Convention of the Association for Educational and Communications Technology (AECT)** April 1972. 30p. (Research Abstract Kit) HC-available from ERIC Clearinghouse on Educational Media and Technology
Organizations (Groups), Communications [Association for Educational and Communications Technology]
This clearinghouse-produced kit includes 19 research abstracts of papers presented at the Association for Educational Communications and Technology Convention (April 1972), a list of the titles and authors of the papers, and a brochure on the ERIC system. This folder of material is produced each year for the AECT by ERIC at Stanford.

72-172 EM
Twelker, Paul A.; And Others **The Systematic Development of Instruction: An Overview and Basic Guide to the Literature** March 1972. 29p. (Annotated Bibliography) ED 059 629 RIE June 1972 MF-$0.65; HC-$3.29
Systems Approach, Instructional Systems, Models, Systems Analysis
Five systems approaches which have been used in the successful development of instruction at the classroom level are discussed: the Teaching Research Systems Approach, the Michigan State University Instructional Systems Development Model, the System Approach for Education Model, the Project MINERVA Instructional Systems Design Model, and the Banathy Instructional Development System Model. All of these models include actions that fall into the categories of problem definition and organization, systems analysis and development, and system evaluation.

72-173 EM
Weisgerber, Robert A. **Individualized Learning** *Series 3 Collection from ERIC at Stanford*, February 1972. 32p. (Annotated Bibliography) ED 057 610 RIE April 1972 MF-$0.65; HC-$3.29
Annotated Bibliographies, Individualized Instruction
Contained is a collection of over 100 reports and papers that were put into ERIC in the last 2 or 3 years. The first section contains selected bibliographies. A number of organizational, philosophical, and operational considerations are discussed in the second section. The third section offers research, assessment, and experimental findings; the fourth section looks at the relation of media to the individualization process. Selected systems approaches to individualized learning are presented separately in the fifth section, and entries dealing with selected institutional approaches comprise the sixth section. References which describe diagnostic and prescriptive individualization techniques for the handicapped and nonperformer conclude the paper.

72-174 EM
Weisgerber, Robert A. **Trends Issues and Activities in Individualized Learning** February 1972. 35p. (Resource Guide) ED 057 633 RIE April 1972 MF-$0.65; HC-$3.29
Individualized Instruction, Resource Guides
The author identifies and comments on general trends which seem to be emerging in individualized instruction at the elementary and secondary level, in teacher education programs, and in other education programs. A selective list of the equipment, materials, and prepackaged systems available to implement an individualized program is provided, along with a review of the major features of several major national systems: PLAN, IPI, I/D/E/A/, IMS,and SCI.

72-175 FL
Chairmen of Language and Area Programs September 1971. 2p. (Directory) ED 057 648 RIE April 1972 MF-$0.65; HC-$3.29
Directories, Areas Studies, Language and Area Centers, Language Instruction, Universities
This document lists, by college and university, language and area study programs available at a particular school. Over 100 schools are included, and more than 200 programs are listed. Each entry provides the school address, program title, languages involved, and the name of the professor in charge. Information was compiled from material provided by the Office of Education Social Sciences Research Council Language and Area Programs Review.

72-176 FL
ERIC Clearinghouse on Languages and Linguistics *Foreign Language Annals*, v5 n1, pp.102-111, October 1971. 10p. (Journal Article)
Language Instruction
This journal column, which appears 3 times annually in "Foreign Language Annals," contains announcements of recent developments in ERIC, particularly those of interest to foreign language educators and researchers. The article includes a "Notes" section containing news of the latest clearinghouse publications, comments on the growth of ERIC and ERIC-related activities; a brief, annotated listing of recent ERIC FL accessions of special interest to the field; and a section on "FL Projects in Progress."

72-177 FL
ERIC Clearinghouse on Languages and Linguistics *Foreign Language Annals*, v5 n2, pp.246-254, December 1971. 9p. (Journal Article)
Language Instruction
Contained are announcements of recent developments in ERIC, particularly those of interest to foreign language educators and researchers. The article includes a "Notes" -section containing news of the latest clearinghouse publications, comments on the growth of ERIC and ERIC-related activities; a brief annotated listing of recent ERIC FL accessions of special interest to the field; and a section on "FL Projects in Progress."

72-178 FL
Clark, John L. D. **Leadership in Foreign Language Education: the Foreign Language Teacher and Research** September 1971. 29p. (Monograph) ED 056 598 RIE March 1972 MF-$0.65; HC-$3.29
Language Teachers, Language Research, Modern Languages, Research Methodology, Teacher Role
The relationship of the foreign language teacher and the researcher is explored in this report which focuses predominately on three main aspects: (1) locating research, (2) evaluating research, and (3) conducting research. An overview of the role of the teacher as potential researcher introduces the principal sections. Guidelines which identify the most important criteria in evaluating typical research undertakings and a bibliography are included.

72-179 FL
De la Portilla, Marta; Colchie, Thomas **Textbooks in Spanish and Portuguese: A Descriptive Bibliography, 1939-1970** 1972. 126p. (Bibliography) ED 060 761 RIE July 1972 MF-$0.65; HC-$6.58
Annotated Bibliographies, Spanish, Portuguese, Textbooks, Instructional Materials
Listed in this annotated bibliography are books printed and published in the United States of America for use in teaching Spanish and Portuguese in high school and college to students whose first language is English. As a sequel to the Arjena "A Bibliography of Textbooks of Spanish Published in the United States (1795-1939)," this publication contains books which have been published from 1939-1970. Each of the two language sections contains both Peninsular and Latin American materials. Textbooks are categorized according to their pedagogical purpose (from first-year texts to supplementary materials).

72-180 FL
Disick, Renee S. **Performance Objectives in Foreign-Language Teaching** *ERIC Focus Reports on the Teaching of Foreign Languages, Number 25*, November 1971. 9p. (Paper) ED 055 552 RIE February 1972 MF-$0.65; HC-$3.29
Modern Languages, Language Instruction, Performance Criteria, Teaching Methods, Behavioral Objectives
Discussed is the nature of performance objectives and how they may be classified and focuses on the interrelationship of instructional purpose, student behavior, conditions under which the behavior is to occur, and minimal criteria of acceptable performance. A bibliography is included.

72-181 FL
Green, Jerald R. **Kinesics in the Foreign Language Classroom** *ERIC Focus Reports on the Teaching of Foreign Languages, Number 24*, October 1971. 9p. (Paper) ED 055 511 RIE February 1972 MF-$0.65; HC-$3.29
Paralinguistics, Language Instruction, Cultural Education, Nonverbal Communication, Cultural Context
The classroom presentation of authentic nonverbal behavior as a legitimate and useful activity in the teaching of the foreign culture is explored in this report. Means by which currently-used language texts can be correlated with nonverbal, high frequency gestures are explored. A review of the development of kinesics as a branch of linguistics is included.

72-182 FL
Harrell, Dolly D. **The Question as a Technique in Foreign Language Teaching** *ERIC Focus Reports on the Teaching of Foreign Languages, Number 26*, December 1971. 9p. (Paper) ED 056 624 RIE March 1972 MF-$0.65; HC-$3.29
Language Instruction, Modern Languages, Teaching Methods, Questioning Techniques, Student Motivation
Focused on is the nature and structure of the question and its use as an educational technique enabling the language teacher to involve his students in the use of the target language. The discussion concentrates on: (1) the question in the basic level class, (2) the question as a testing technique, (3) the question as a vocabulary activator in the second-and third-year reading program, (4) the question in advanced language study, and (5) a review of the nature of the question.

72-183 FL
Keck, Mary Ellen B, comp.; Smith William F., comp. **A Selective, Annotated Bibliography for the Language Laboratory, 1959-1971** June 1972. 52p. (Annotated Bibliography) MF-$0.65; HC-$3.29
Instructional Media, Teaching Methods, Modern Languages, Language Laboratories
This annotated bibliography contains 163 books, articles and research reports on the language laboratory. The entries are listed alphabetically by author, and cover the history, planning, administration, and operation of a language lab, as well as methodologies, teaching techniques and linguistic theory related to mediated language instruction. The publication contains an essay which gives a brief history of the language lab, a rationale, and a discussion of equipment and its installation. A chronological index is included.

72-184 FL
Lange, Dale L., comp. **1970 ACTFL Annual Bibliography of Books and Articles on Pedagogy in Foreign Languages** July 1971. 67p. (Bibliography) ED 050 651 RIE September 1971 MF-$0.65; HC-$3.29
Bibliographies, Language Instruction, Modern Languages, Applied Linguistics, Classical Languages
Fourth annual selective bibliography published by the American Council on the Teaching of Foreign Languages (ACTFL) lists 1,734 items concerned with pedagogy in modern foreign languages, Latin, Greek, English as a second language, and applied linguistics. For related documents see ED 021 152 RIE January 1969, ED 024 293 RIE April 1969, ED 025 988 RIE June 1969, ED 029 158 RIE October 1969 and ED 040 625 RIE November 1970

72-185 FL
Lange, Dale L., ed. **1971 ACTFL Annual Bibliography of Books and Articles on Pedagogy in Foreign Languages** *Foreign Language Annals*, v5 n4, pp.487-567, May 1972. 81p. (Bibliography)
Bibliographies, Language Instruction, Modern Languages, Applied Linguistics, Classical Languages
Compiled from a master list of about 300 journals and various book sources, this fifth annual selective bibliography lists 2,061 items concerned with pedagogy in modern foreign languages, Latin, Greek, English as a second language, and applied linguistics. The 1971 listing provides continuity with the Birkmaier-Lange "Selective Bibliography on the Teaching of Foreign Languages 1920-1966" and the ACTFL Bibliographies of 1967, 1968, 1969, and 1970. An author index is included.

72-186 FL
Michel, Joseph; Patin, Paul **Some Techniques for Teaching Vocabulary** *ERIC Focus Reports on the Teaching of Foreign Languages, Number 27*, March 1972. 25p. (Paper) MF-$0.65; HC-$3.29
Modern Languages, Language Instruction, Vocabulary Development, Vocabulary Skills, Teaching
What it is to "know" a word, the problem of selecting vocabulary to be taught, and its gradation for presentation in the foreign language class are discussed. Also described are methods and techniques for teaching vocabulary form, meaning, distribution, and use, for beginning through advanced levels of language study.

72-187 FL
Monka, Carolyn, comp. **ERIC Documents on the Teaching of Foreign Languages:** *List Number 7*, October 1971. 22p. (Bibliography) ED 056 600 RIE March 1972 MF-$0.65; HC-$3.29
Catalogs, Educational Resources, Clearinghouses, Language Instruction, Modern Languages
This seventh in a series of such catalogs lists 382 items pertaining to foreign language instruction that were accessioned by all ERIC Clearinghouses from November 1970 through April 1971. Entries are organized alphabetically, and a 14-category user index assists in pinpointing items relevant to particular interests. For related documents see ED 026 924 RIE July 1969, ED 029 538 RIE October 1969, ED 033 643 RIE March 1970, ED 037 150 RIE July 1970, ED 044 990 RIE April 1971 and ED 047 592 RIE June 1971.

72-188 FL
Monka, Carolyn, comp. **ERIC Documents on the Teaching of Foreign Languages, List Number 8** *Foreign Language Annals*, v5 n3, pp.365-380, March 1972. 18p. (Bibliography)
Catalogs, Educational Resources, Clearinghouses, Language Instruction, Modern Languages
Included in this compilation are 364 items pertaining to foreign language instruction that were accessioned by all Educational Resources Information Center (ERIC) Clearinghouses from March 1971 through October 1971. Each item cites ED number, cost, and location of relevant abstract in RIE.

72-189 FL
Schneider, Gerd K., comp. **Topical Bibliography in Theoretical and Applied German Linguistics** 1972. 182p. (Bibliography) HC-available from MLA/ACTFL Materials Center, 62 Fifth Ave., New York, N.Y. 10011 ($2.00)
German, Bibliographies, Descriptive Linguistics, Applied Linguistics, Linguistic Theory
This bibliography of 1860 books and articles provides researchers, instructors, and students of applied German linguistics, as well as school and college teachers of German, with background material on a variety of topics in the field of applied German linguistics which can be of service in the preparation of instructional materials and the planning of courses. Although the emphasis is on applied German linguistics, a comprehensive listing of works on linguistic theory has also been included. The period covered ranges mainly from the turn of the century through the end of 1970.

72-190 FL
Svobodny, Dolly D., comp. **The Foreign Language Requirement in Colleges and Universities: A Bibliography with Abstracts** June 1971. 94p. (Annotated Bibliography) ED 050 645 RIE September 1971 MF-$0.65; HC-$3.29
Modern Languages, Uncommonly Taught Languages, Degree Requirements, Higher Education, Language Enrollment
The 264 abstracts in this compilation describe opinions and realities of the foreign language requirement in American colleges and universities. The research dates from 1900. Most of the abstracts reflect research reports and articles which have appeared in U.S. educational journals. A selective number of books and monographs are also included. Availability of the materials in the ERIC system is noted.

72-191 HE
How To Keep'em Happy Down at the Dorm *College Management*, v6 n8, September 1971. 16p. (Journal Article)
Higher Education, Dormitories, College Housing, Student Attitudes, Planning, Educational Planning
College students are moving out of dormitories, choosing instead to pay high rents to live in substandard "pads" rather than submit to the rules and regulations of university living. To cope with this problem many institutions of higher education are renovating existing structures or building new ones to create an atmosphere conducive to living as well as learning.

72-192 HE
Blackburn, Robert T. **The Professor's Role in a Changing Society** June 1971. 26p. (Literature Review) ED 051 438 RIE October 1971 MF-$0.65; HC-$3.29
Faculty, Tenure, Teacher Characteristics, Social Values, Faculty Evaluation
The import of current trends in higher education on faculty is examined. It includes both a general discussion of forces influencing faculty life styles (with implications for administrators) and a critical review of recent research literature, including studies on such topics as supply and demand, mobility, collective bargaining, and evaluation of faculty performance.

72-193 HE
Breedin, Brent **Veterans in College** March 1, 1972. 4p. (Literature Review) ED 058 467 RIE May 1972 MF-$0.65; HC-$3.29 HC-also available from the Publications Department, American Association for Higher Education, 1 Dupont Circle, Suite 780, Washington, D.C. 20036 (1 to 10 copies $0.15 each; over 10 copies $0.10 each)
Higher Education, Veterans Education, Federal Aid, Military Personnel, Adult Education
As the original 1944 "G.I. Bill of Rights" was extended or revised and new bills for the Korean and Vietnam veterans written, the results of the post-World War II experience were evaluated and considered. In 1969, the silver anniversary of the signing of the original bill, there were again a number of reviews and analyses written. This paper presents a review of the literature pertaining to the first "G.I. Bill" and subsequent bills as related to higher education, veterans, and the public interest.

72-194 HE
Cook, J. Marvin; Neville, Richard F. **The Faculty as Teachers: A Perspective on Evaluation** September 1971. 17p. (Paper) ED 054 392 RIE January 1972 MF-$0.65; HC-$3.29
Faculty Evaluation, Effective Teaching, Higher Education, Teaching Skills, Student Evaluation
The problem of measuring and evaluating teacher performance is examined. Evaluation methods currently in use are reviewed, including the use of student questionnaires, and a recommendation for a more accurate measurement of teacher effectiveness is made. The authors specifically consider the relative merits of measurement based on student performance (direct measurement) and measurement based on teaching activities (indirect measurement) as they relate to the evaluation of faculty. This paper is based on a study performed by J. Marvin Cook for the Faculty Senate, University of Maryland, Baltimore County.

72-195 HE
Givens, Paul R. **Student-Designed Curricula** May 15, 1972. 4p. (Paper) ED 061 917 RIE August 1972 MF-$0.65; HC-$3.29 HC-also available from the Publications Department, American Association for Higher Education, 1 Dupont Circle, Suite 780, Washington, D.C. 20036 (1 to 10 copies $0.15 each; over 10 copies $0.10 each)
Higher Education, Relevance (Education), Curriculum Development, Educational Improvement, Student Centered Curriculum
The campus unrest in recent years past has facilitated a change of major importance within the higher education community. Educators have been forced to reevaluate college curricula in order to make it more relevant to students. This paper describes programs at 30 colleges and universities in which students are allowed to design their own programs of study. The range of programs described is wide, and reflects the degree of innovation that characterizes the move toward student-initiated academic planning.

72-196 HE
Harvey, James **Graduate School Admissions** November 1971. 4p. (Report) ED 057 261 RIE April 1972 MF-$0.65; HC-$3.29
Higher Education, Graduate Study, Admission Criteria, Admission (School), Graduate Students
The admissions process in graduate education is heavily criticized for poor recruitment procedures and the use of criteria unrelated to academic success. This review examines the factors related to student enrollment in graduate programs, the policies and procedures followed by graduate departments, and draws some implications for the improvement of the admissions process.

72-197 HE
Harvey, James **Minorities and Advanced Degrees** June 1, 1972. 4p. (Literature Review) ED 062 957 RIE September 1972 MF-$0.65; HC-$3.29 HC-also available from the Publications Department, American Association for Higher Education, 1 Dupont Circle, Suite 780, Washington, D. C. 20036 (1 to 10 copies $0.15 each; over 10 copies $0.10 each)
Higher Education, Graduate Study, Minority Groups, Professional Education, Negro Education
Within the last few years, the discussion has moved from the reassessment of undergraduate recruitment and admissions policies to the involvement of graduate and professional schools in the education of minority group students in general, including blacks, Chicanos, and American Indians. This paper examines some of the literature that deals with efforts to increase the numbers of minority students enrolling in post-baccalaureate medical, legal, and graduate programs.

72-198 HE
Harvey, James **Ph.D.'s and the Marketplace** February 1, 1972. 4p. (Paper) ED 057 259 RIE April 1972 MF-$0.65; HC-$3.29 HC-also available from the Publications Department, American Association for Higher Education, 1 Dupont Circle, Suite 780, Washington, D.C. 20036 (1 to 10 copies $0.15 each; over 10 copies $0.10 each)
Higher Education, Doctoral Degrees, Job Market, Unemployment, Professional Occupations
Ph.D. recipients have been accustomed to a job

market in which demand for their services far exceeded supply. Manpower experts predicted this situation would continue in the foreseeable future. However, when the 60's ended, the employment illusion had been rudely dispelled. Anecdotal references showed scientists and scholars reduced to hand-labor to earn a living. This paper presents analyses of the current situation, the causes of the current situation, and future prospects for Ph.D. candidates.

72-199 HE
Harvey, James **The Student in Graduate School** January 1972. 75p. (Report) ED 057 258 RIE April 1972 MF-$0.65; HC-$3.29
Higher Education, Graduate Study, Graduate Students, Doctoral Program, Professional Education
Examined is the literature on the graduate student seeking the Ph.D. in the arts and sciences, the claims made about graduate student status, and research supporting or negating such claims. Major topics discussed are: (1) concentration of and undergraduate training of graduate students; (2) problems of special groups; (3) general problems of students; (4) general requirements; (5) dissertation and research phases of doctoral study; (6) length of doctoral study; (7) students in the sciences vs. those in the arts or social sciences; and (8) financial aid.

72-200 HE
Hodgkinson, Harold L. **Campus Governance - The Amazing Thing is that it Works at All** July 1971. 24p. (Paper) ED 051 439 RIE October 1971 MF-$0.65; HC-$3.29
Governance, University Administration, Administrator Responsibility, Policy Formation, Educational Accountability
This paper reviews the literature on governance from 1965 to 1970. The author surveys the attitudes of those who participate in the governing process--students, faculty, administration--and illustrates how patterns of governance are undergoing change. Several innovative governance models are given along with a review of related problems, such as accountability, decentralization versus centralization, who should be represented, and the influence of forces outside the educational community. Topics for further research are recommended and an extensive bibliography concludes the report.

72-201 HE
Lichtman, Jane **The Experimental Subcollege** June 1971. 12p. (Report) ED 051 437 RIE October 1971 MF-$0.65; HC-$3.29
Cluster Colleges, Experimental Colleges, Curriculum Design, Relevance (Education), Educational Innovation
Examined is the pertinent literature about subcolleges; summarized are their characteristics, and suggested are areas for further research. 9 such subcolleges are described in terms of how they were initiated and what programs are offered. These subcolleges were selected for their distinctive characteristics and innovations. They range from schools that accept the parent institution's major educational assumptions but modify its methods, to schools that reject all traditional assumptions.

72-202 HE
Mortimer, Kenneth P. **Accountability in Higher Education** February 1972. 60p. (Paper) ED 058 465 RIE May 1972 MF-$0.65; HC-$3.29 HC-also available from the American Association for Higher Education, 1 Dupont Circle, Suite 780, Washington, D.C. 20036 ($2.00)
Higher Education, Educational Accountability, Institutional Role, Government Role, Educational Administration
Presented is an overview of accountability in higher education. Chapter 2 considers three major contexts for the term accountability: managerial accountability; accountability versus evaluation; and accountability versus responsibility. Chapter 3 examines the increasing pressures to be more accountable to external forces. Chapter 4 covers the question of accountability with institutions themselves. Three major difficulties in assessing internal accountability are presented. Chapter 5 considers some possible trends in accountability for the 1970's. An extensive bibliography on the literature concludes the report.

72-203 HE
Rivers, William L.; Sellers, Leonard **Student Newspapers in Transition** December 1971. 4p. (Report) ED 057 260 RIE April 1972 MF-$0.65; HC-$3.29
Higher Education, School Newspapers, Newspapers, Student Publications
The 1970s may someday be considered the period of independence for the collegiate press. More and more college and university newspapers are breaking ties with their institutions and moving off campus. However, many of these papers desiring independence also want financial support from their institutions without the administrative control that has traditionally accompanied such aid. Administrators as well as student editors can learn hard lessons about the dangers of complete independence by studying the ailing condition of most student-founded papers trying to challenge established student papers.

72-204 HE
Robinson, Lora H. **College Student Morale** May 1, 1972. 4p. (Paper) ED 061 918 RIE August 1972 MF-$0.65; HC-$3.29 HC-also available from Publications Department, American Association for Higher Education, 1 Dupont Circle, Suite 780, Washington D.C. 20036 (1 to 10 copies $0.15 each; over 10 copies $0.10 each)
Higher Education, College Students, Student College Relationship, Student Teacher Relationship, Student Behavior
This paper presents a discussion and statistical data concerning the various sources of college impact on students. Student-administration, student-faculty, and student-student relationships are discussed and tables are presented that represent the attitudes of 372 college students from two liberal arts colleges toward these relationships. Also discussed is the student's relationship with the college environment as a whole. It was found that at the two colleges studied, students encounter more positive than negative experiences.

72-205 HE
Shulman, Carol H. **Collective Bargaining on Campus** March 1972. 48p. (Literature Review) ED 058 466 RIE May 1972 MF-$0.65; HC-$3.29 HC-also available from the Publications Department, American Association for Higher Education, 1 Dupont Circle, Suite 780, Washington, D.C. 20036 ($2.00)
Higher Education, Professors, Collective Bargaining, College Teachers, Faculty Organizations
Recent developments in higher education have encouraged the interest of the academic community in collective bargaining. This review of recent literature includes discussion of these developments, the impact of collective bargaining on the academic community, professional rights and duties of faculty, and legal problems. An annotated bibliography of 55 documents concludes the study.

72-206 HE
Shulman, Carol H. **Open Admissions in Higher Education** June 1971. 19p. (Literature Review) ED 051 440 RIE October 1971 MF-$0.65; HC-$3.29
Open Admissions, Admission Criteria, Articulation (Program), Relevance (Education), College Admission
The continued expansion of mass higher education and the increased number of programs waiving traditional admissions criteria have resulted in a reevaluation of college admissions practices. Significant debate focuses on the implications of open admissions programs and the need for new forms of higher education to serve a more diverse population. This review presents an examination of the issues based on an annotated bibliography of 43 items published during the last 3 years.

72-207 HE
Shulman, Carol H. **State Aid to Private Higher Education** June 1972. 44p. (Literature Review) ED 062 962 RIE September 1972 MF-$0.65; HC-$3.29 HC-also available from the Publications Department, American Association for Higher Education, 1 Dupont Circle, Suite 780, Washington, D.C. 20036 ($2.00)
Higher Education, Private Colleges, Financial Problems, Educational Finance, State Aid
Recent public interest in the unique financial problems of private higher education has resulted in proposals and legislation for state support of independent institutions. Although public assistance alleviates the private colleges' financial problems, it also obligates them to increase state supervision of their activities. Several state boards and independent associations believe the private sector's problems warrant special concern and action. Reflecting this view, the reports and position papers listed in this bibliography generally agree on the necessity for state funding of private higher education.

72-208 HE
Shulman, Carol H **The Tenure Debate** September 1971. 4p. (Report) ED 054 391 RIE January 1972 MF-$0.65; HC-$3.29
Tenure, Faculty, Higher Education, Teacher Employment, Faculty Promotion
This review examines recent economic, political, and legal developments that have created pressure for reform of the academic tenure system, codified in 1940 by the American Association of University Professors and the Association of American Colleges. At issue are problems of academic freedom, "deadwood" faculty, institutional finances, and the nonrenewal of probationary teachers' contracts. The present tenure system allows college faculty a 7-year probationary period after which they must receive life employment or be dismissed by their institution. Arguments for and against this sytem as well as alternative tenure systems in effect at several institutions are given. A list of 29 references is included.

72-209 JC
A Directory of Self-Instructional Materials Used in the Junior College 1971. 141p. (Directory) ED 053 720 RIE December 1971 MF-$0.65; HC-$6.58
Autoinstructional Aids, Independent Study, Instructional Materials, Junior Colleges, Teaching Methods [Danforth Junior College Program]
This directory is a compilation, by subject matter, of self-instructional materials prepared by instructors who are specialists in each field. Where possible, the listings include the author/instructor, the institution, the target population or specific course name, the package's availability, and its number and title. Listings are solicited from instructors who have prepared similar kits so that an up-dated edition can be published in 1972.

72-210 JC
New Directions in Curriculum Study December 1971. 4p. (Literature Review) ED 055 587 RIE February 1972 MF-$0.65; HC-$3.29
College Curriculum, Curriculum, Curriculum Development, Curriculum Planning, Junior Colleges
Alternatives to present patterns are discussed in groups under: (1) state and national studies, (2) articulation, (3) innovation in curriculum, (4) basic studies, (5) black studies, and (6) vocational education. A summary of major trends in curriculum development uses seven categories: (1) growth of a third major division in the junior college curriculum; (2) greater influence from social-political upheavals; (3) expansion of vocational-technical curriculums; (4) continued innovation; (5) use of instructional objectives in curriculum development; (6) articulation; and (7) evaluation.

72-211 JC
Barlow, Melvin L; Park, Young **The Case for Vocational Education in the Junior College with an Introductory Review of Recent Research** *Junior College Research Review*; v6 n6, February 1972. 4p. (Literature Review) ED 057 785 RIE April 1972 MF-$0.65; HC-$3.29
Career Education, Junior Colleges, Technical Education, Vocational Education, Vocational Schools
This issue on the general planning of vocational-technical education emphasizes that education for employment should be the main purpose of the educational enterprise, and that junior colleges should occupy a dominant position in this preparation. Vocational education was conceived of as part of the total educational structure and vocational theorists have never thought of it in any other way. It should be offered as an alternative to the "go-to-college" concept that has been so over-sold as to be taken for granted.

72-212 JC
Cohen, Arthur M; Brawer, Florence B. **The Community College in Search of Identity** *Change*, v3 n8 pp55-59, Winter 1971/72. 5p. (Journal Article)
Higher Education, Community Colleges, College Role, Institutional Role, Educational Responsibility
To be recognized as a valid segment of higher education, community colleges have assumed responsibility for educating a student population of widely varying abilities and needs. The resulting diversity of functions has scattered their resources and created a need for community colleges to focus on certain institutional goals.

72-213 JC
Cohen, Arthur M; Brawer, Florence B. **Confronting Identity: The Community College Instructor** 1972. 257p. (Book) HC-available from Prentice Hall, Inc., Englewood Cliffs, New Jersey 07632 ($8.95)
College Faculty, Junior Colleges, Teacher Influence, Teacher Role, Teaching Styles
This book is addressed primarily to community college instructors and aims to define their professional role in terms of the effect of their teaching on their students. Seeing the identity of the teacher as an interaction between the institutional identity and the teacher's maturity, the authors first consider the college teacher in the perspective of modern theory of personality development. The book reviews the literature on teaching and instruction at the secondary and higher education levels. A 14-page bibliography as well as a model of a teacher preparation course for junior college teachers is included.

72-214 JC
Cohen Arthur M.; And Others **A Constant Variable: New Perspectives on the Community College** 1971. 238p. (Book) ED 055 580 RIE February 1972 HC-Jossey-Bass, Inc. Publishers, San Francisco, California 94111 ($7.75)
African American Studies, Faculty Evaluation, Junior Colleges, Student Characteristics, Teaching Methods
This publication is a comprehensive analysis and critique of literature on and practices in the junior college.

72-215 JC
Cohen, Arthur M.; Brawer, Florence B. **Technology Confronts the Instructor** *Educational Technology*, v11 n10, pp29-31 October 1971. 4p. (Journal Article)
Educational Technology, Teacher Role, Role Perception, Student Teacher Relationship, Adoption (Ideas)
For technology to be effectively implemented in education, the role orientation of instructors must be taken into account. A Personal and institutional understanding for the 3 roles of the instructor--model, manager and mediator--goes far in explaining why technology takes hold rapidly in some schools and lags in others.

72-216 JC
Cohen, Arthur M.; Brawer, Florence B. **The Who, What, Why of Instructor Evaluation** *Topical Paper Number 33*, April 1972. 19p. (Paper) ED 060 839 RIE July 1972 MF-$0.65; HC-$3.29
Junior Colleges, Evaluation, Teacher Evaluation, Evaluation Techniques, Self Evaluation
A self-report system for individual community college instructors to use in evaluating their own professional performance is advanced as a tentative means to respond to California teacher evaluation bill SB 696. Four instructor activity areas are suggested. This self-report system differs from ordinary self-report and introspective methods in that it relies on concept measurement, is open to peers for process evaluation, and focuses on instructor intentions and results.

72-217 JC
Cohen, Martin J. **The College of the Whole Earth** *Topical Paper Number 27*, October 1971. 26p. (Paper) ED 055 588 RIE February 1972 MF-$0.65; HC-$3.29
Educational Improvement, Experimental Colleges, Junior Colleges, Organizational Change, School Community Relationship
"The College of the Whole Earth" proposes a utopian alternative for community colleges to insure personal success of the people in their own community and in the world. A raison d'etre for this approach is shown in mankind's growing realization of the earth's limited resources. A multi-campus community college structure could respond to the new problems revealed by man's greater awareness. Such an institution would increase the relevancy of education to many of today's youth and more deeply involve them in the surrounding community.

72-218 JC
Goodwin, Delton D. **Measurement and Evaluation in Junior College Reading Programs** October 1971. 4p. (Literature Review) ED 053 714 RIE December 1971 MF-$0.65; HC-$3.29
Junior Colleges, Measurement Techniques, Readability, Reading Diagnosis, Reading Tests
Although few tests are designed specifically for junior colleges, 85 percent of junior college reading programs are standardized reading tests for diagnostic purposes. Many colleges require that students who score below a pre-determined level on college placement or reading exams be placed in developmental or remedial classes. Computers are often used to find students with reading difficulties and place them in appropriate classes. The range in reading ability in junior colleges is often ten or more levels. This spread in abilities and interests makes it necessary to have multi-level instruction in class.

72-219 JC
Kintzer, Frederick C. **Decision Making in the Multi-Unit College** *Junior College Research Review*, v6 n5, January 1972. 4p. (Literature Review) ED 056 687 RIE March 1972 MF-$0.65; HC-$3.29
Administration, Decision Making, Junior Colleges, Management Systems, Multicampus Districts
This review focuses on the development and presentation of a pattern for decentralizing the decision making process in multi-unit educational systems, emphasizing community college administration. The multi-branch community college district in theory provides opportunity for a more economical and efficient management and a minimum duplication of space, equipment and staff. Every educational institution should have as its prime purpose the development of an environment of learning--a major function of leadership.

72-220 JC
Kintzer, Frederick C. **From High School to Community College--A Vital Link in the Articulation Process** *Junior College Research Review*, v6 n10 June 1972. 4p. (Literature Review) ED 061 935 RIE August 1972 MF-$0.65; HC-$3.29
Junior Colleges, Articulation (Program), College High School Cooperation, College Bound Students, College Administration
To provide for the needs of student groups such as high school and college dropouts, adults wanting further education, students needing remedial education, and high school students taking college classes, communication between community colleges and high schools is essential. It is recommended that a team relationship be developed to prevent duplication of programs and provide effective service to the community; counseling is at the heart of the process. Several programs which demonstrate such cooperation are reviewed.

72-221 JC
Lombardi, John **Black Studies in the Community College** 1971. 75p. (Monograph) ED 053 723 RIE December 1971 MF-$0.65; HC-$3.29
African American Studies, Black Community, Ethnic Groups, Junior Colleges, Negro Attitudes
Examined are the community college efforts to adopt Black Studies programs. The major findings were: (1) Black Studies courses are widespread; (2) enrollments are adequate; (3) enrollments are mainly of black students, with only a few non-blacks; (4) most of the instructors are black; (5) control of the program is mainly by blacks. The paper covers the origins of the programs, the courses and curriculums, the curriculum development, the usage of the terms, Negro, Afro-American, and Black, continuing issues, and the future of Black Studies.

72-222 JC
Lombardi, John **The Financial Crisis in the Community College** *Topical Paper Number 29*, February 1972. 37p. (Paper) ED 058 873 RIE May 1972 MF-$0.65; HC-$3.29
Economic Climate, Educational Finance, Financial Problems, Financial Support, Junior Colleges
Economic causes contributing to the national crisis include inflation, rising enrollments, and labor-intensive aspects. At the same time agencies dealing with social security, ecological balance, environmental preservation, and recreational facilities among others have become powerful competitors for funds. The third major contributor to the crisis is the public who increasingly has been showing its disaffection with education by defeating public referendums and bond proposals.

72-223 JC
Lombardi, John **Moratorium on New Junior Colleges** *Junior College Research Review*, v6 n9, May 1972. 4p. (Literature Review) ED 061 928 RIE August 1972 MF-$0.65; HC-$3.29
Junior Colleges, Enrollment Trends, Enrollment Projections, Educational Demand, College Planning
This review deals with the interest of some junior college educators in taking a stand against the belief that community college enrollments will continue to increase indefinitely. The first stand was made by the Arizona State Board of Directors for Junior Colleges. On the other hand, professional state associations, the American Association of Junior Colleges, the Carnegie Commission on Higher Education, and the federal government have advocated the creation of more colleges.

72-224 JC
Loring, Rosalind; Adams, Mary **Group Counseling of Minority and Low-Income Women Students: A Model Program for Junior College Educators** *Topical Paper Number 32*, March 1972. 47p. (Paper) ED 059 715 RIE June 1972 MF-$0.65; HC-$3.29
Junior Colleges, Educationally Disadvantaged, Womens Education, Group Counseling, Counselor Training
The focus of the program was to help junior college counselors and other staff be more effective in working with educationally disadvantaged women students. A second purpose was to train junior college staff in the use of group counseling. The program for the "Training in Group Counseling of Minority and Low-Income Women Students in Junior College" was offered in the winter and spring of 1971 to 60 participants by UCLA Extension. Program objectives are described. Detailed descriptions of the planning, staff, curriculum, instructional techniques, and evaluation of this program are included.

72-225 JC
Mathies, Lorraine **How to Search the ERIC File** *Junior College Research Review*, v6 n7, March 1972. 4p. (Paper) ED 057 796 RIE April 1972 MF-$0.65; HC-$3.29
Information Dissemination, Information Retrieval, Information Systems, Information Utilization
Experience shows that manual searching gives the user skills and expertise that are essential to effectively use the computerized system. Several tools are available to aid in manually searching for information stored in ERIC files. These are: (1) Research in Education (RIE), composed of a series of document resumes and subject, author, and institution indexes; (2) Current index to Journals in Education (CIJE) containing coverage of 530 publications representing the core periodical literature in education; and (3) the Thesaurus of ERIC Descriptors with its vocabulary used for indexing the various documents, projects, and journal articles.

72-226 JC
Oosting, Kenneth W. **Extending Environmental Research to the Community College** September 1971. 42p. (Paper) ED 053 724 RIE December 1971 MF-$0.65; HC-$3.29
College Environment, Educational Research, Environmental Research, Institutional Research, Junior Colleges
The concern of the paper is with environmental effects on human behavior and not the environmental components themselves. The Press-Need

Concepts (Murray 1938) were an initial attempt to explain personality in terms of environment. Other work elaborated on the Press-Need Concepts as analytical tools for assessing personal satisfactionor frustration. Results from using these instruments in a junior college setting were unsatisfactory and led to the construction of an alternative 2-part instrument.

72-227 JC
Park, Young, ed. **The Practitioner Views Institutional Research** *Topical Paper Number 30,* February 1972. 76p. (Paper) ED 059 718 RIE June 1972 MF-$0.65; HC-$3.29
Junior Colleges, Institutional Research, Research, Researchers, Research Methodology
Presented are the viewpoints of several practitioners in the field of institutional research. It is oriented toward providing the initiate to the profession with guidelines to successfully implement a practice. Specific topics covered are: (1) organization and administration of institutional research; (2) building the foundations of institutional research; (3) standards for statistical surveys, and (4) reviews of institutional research at several 2-year colleges.

72-228 JC
Park, Young **Trends and Developments in Institutional Research** *Junior College Research Review,* v6 n8, April 1972. 4p. (Literature Review) ED 060 831 RIE July 1972 MF-$0.65; HC-$3.29
Junior Colleges, Institutional Research, Educational Research, Researchers
This review notes two major trends characterizing institutional research in community colleges today: (1) the communication of research results, and (2) the shift toward applied rather than theoretical research. A third trend noted is the desire by certain persons to create an institutional position of "Information Dean," who would provide needed information to decision makers. Several organizations established for exchanging information about community colleges are discussed.

72-229 JC
Petrillo, Joseph E. **Are Your Employment Practices Legal?** November 1971. 4p. (Literature Review) ED 054 768 RIE January 1972 MF-$0.65; HC-$3.29
Court Litigation, Employment Patterns, Employment Qualifications, Junior Colleges, Legal Responsibility
Whether or not hiring practices for teachers are non-discriminatory, and whether or not the requirements beyond state credentialing relate directly to job performance, are the questions examined in this paper. It discusses the possible impact on teacher certification and employment of Griggs vs. Duke Power Company. Although this is an industrial case, subsequent judgements may alter traditional patterns in other areas by bringing an historical pattern in line with prevailing social realities or even beginning a new tradition.

72-230 JC
Purdy, Leslie **A Student Volunteer Services Bureau** September 1971. 24p. (Paper) ED 053 719 RIE December 1971 MF-$0.65; HC-$3.29
Community Services, Educational Innovation, Junior Colleges, Student Volunteers, Youth Agencies
A proposal for a student volunteer agency operating with or under the auspices of a college, but as an alternative to a comprehensive community college education is discussed. Because of conflicting expectations and inadequate resources, the idea of a year off is seen as an option to obligatory college attendance. Administration of the program and its respective advantages for volunteers, faculty and the community are also discussed.

72-231 JC
Reimer, Everett **The Impact of Educational Accounts on Junior Colleges** September 1971. 4p. (Literature Review) ED 052 772 RIE November 1971 MF-$0.65; HC-$3.29
Educational Economics, Education Vouchers, Financial Support, Junior Colleges, Resource Allocations
The author, a colleague of Ivan Illich, suggests a radical alternative to the present school system, namely, educational accounts. The accounts could be restricted to use in schools while junior colleges retain their present role, or they could be used without being restricted to schools and the junior colleges could be freed from their traditional role. The implications of these two alternatives to the present system of funding and function are discussed in detail.

72-232 JC
Thurston, Alice J.; And Others **The Chief Student Personnel Administrator in the Public Two-Year College** *Monograph Number 14,* January 1972. 75p. (Monograph) ED 060 840 RIE July 1972 MF-$0.65; HC-$3.29
Junior Colleges, Student Personnel Workers, College Deans, Administrator Characteristics, Student Personnel Services
Reported are the results of two studies, independently undertaken, that explored the role and characteristics of chief student personnel administrators. One study, done in 1968, surveyed a national stratified random sample of these administrators in public junior colleges; the second surveyed only those in midwestern junior colleges. The report concludes with eight recommendations for improvement of student personnel services.

72-233 JC
Vaughan, George B.; Puyear, Donald E. **After the Open Door: An Approach to Developmental Education** *Topical Paper Number 31,* March 1972. 19p. (Paper) ED 059 714 RIE June 1972 MF-$0.65; HC-$3.29
Junior Colleges, Developmental Programs, Behavioral Objectives, Learning Laboratories, Remedial Programs
Based on the learning theories of Benjamin S. Bloom, the program described in this report aims to help students develop basic skills for success in college work. The program, created for Virginia Highlands Community College, centers around English and mathematics learning laboratories. In general, students using the labs, either for one term or for the whole first year, had higher GPA's at the end of the year.

72-234 JC
Wing, Dennis R. W. **The Professional President; A Decade of Community Junior College Chief Executives** *Topical Paper Number 28,* January 1972. 23p. (Paper) ED 058 881 RIE May 1972 MF-$0.65; HC-$3.29
Administrator Background, Administrator Characteristics, Chief Administrators, Junior Colleges, Presidents
This report draws a profile of community college presidents holding office in 1970 and compares their characteristics with the results of similar studies conducted in 1960 and 1964. The report is based on information from the National Career Study of Community College Presidents Program of the University of Colorado.

72-235 LI
Proceedings of the Federal Library Committee Meeting, December 16, 1970 and April 28, 1971 on Implications to the Federal Library Community of the Airlie Conference on Interlibrary Communications and Information Networks, September 28-October 2, 1970 June 1971. 24p. (Conference Report) ED 054 781 RIE January 1972 MF-$0.65; HC-$3.29
Federal Government, Information Networks, Information Systems, Library Automation, Library Networks [Federal Library Committee]
Summaries of the Working Groups' recommendations, along with recollections of detailed discussions and working problems which were encountered in developing these recommendations are presented here. Participants and the Conference Working Groups represented are listed. The summary, conclusions and recommendations of that meeting were studied by FLC's Task Force on Automation and those deemed to be most interested and importance to the Federal library community were presented to FLC during its April 28 meeting. FLC Task Forces will study these recommendations for determination of future projects and programs.

72-236 LI
Billingsley, Alice, comp. **Bibliography of Library Automation** *American Libraries,* v3 n3, pp.289-312, March 1972. 24p. (Journal Article) ED 060 910 RIE July 1972 MF-$0.65; HC-$3.29
Library Automation, Library Technical Processes
This is a selective bibliography covering journal literature, trade publications, monographs, technical reports and other documents dated 1969 through 1971. The bibliography has been categorized under subject headings.

72-237 LI
Burgard, Andrea, ed. **Directory of Educational Programs in Information Science, Supplement, 1972-1973** 1972. 43p. (Directory) HC-American Society for Information Science, 1140 Connecticut Ave., N.W., Suite 804, Washington, D.C. 20036 (Members $2.50 Non-members $3.00)
Education, Information Science, Information Scientists, Information Systems, Information Theory
This is the Supplement to the 1971/1972 edition; it gives updated information for the academic year 1972-1973. Included is detailed information on graduate-level academic programs in education for information science in the United States and Canada. This reference tool is useful to students and teachers of information science, potential students, and high school and college guidance counselors.

72-238 LI
Durkin, Robert E., ed. **Proceedings of the Conference on Federal Information Resources (2nd, Washington, D.C., March 30-31, 1971)** September 1971. 107p. (Conference Report) ED 053 770 RIE December 1971 MF-$0.65; HC-$6.58; Federal City College Press, Media Services Div., Federal City College, Washington, D.C. 20001 ($4.25)
Black Community, Feedback, Government Libraries, Information Needs, Research Libraries, Use Studies [Committee on Scientific and Technical Information]
The second conference on Federal Information Resources continued the discussion, begun in 1970, between the Federal library and information community and the research library community. Although each had its particular mission and problems, there is agreement that some problems are common to the two groups and that, in at least some instances, the one community can assist the other to the benefit of both.

72-239 LI
Finnan, Anne **The Public Library: A Bibliography** 1971. 54p. (Bibliography) ED 056 729 RIE March 1972 MF-$0.65; HC-$3.29
Objectives, Public Libraries, Library Role Community Involvement, Library Planning, Library Programs
ERIC/CLIS has compiled this bibliography to assist the members of the library community who are concerned with the role of public libraries. It is hoped that this tool will serve as a general reference source for those who wish to undertake the preparation of critical review articles or substantive state-of-the-art surveys, to fill informational gaps existing in the field and provide a firmer decision-making base on which the role of the public library can be developed.

72-240 LI
Helmuth, Nancy A. **The Use of Extracts in Information Services** *Journal of the American Society for Information Science,* v22 n6, pp.382-389, November/December 1971. 8p. (Journal Article)
Information Services, Information Utilization
This paper explores the use of extracts by reporting the results of a survey of the current acceptability and use of extracts, by a literature review and by suggesting guidelines for selecting extract material. The survey shows that extracts are currently being used in information services, especially for current awareness. Most consider extracting a time-saver. The value of extracts as measured by whether they lead the user to relevant documents was experimentally demonstrated. There was no substantial evidence that extracting is less costly than abstracting.

72-241 LI

Klempner, Irving M. **Audiovisual Materials in Support of Information Science Curricula: An Annotated Listing With Subject Index. First Edition, Revised** *Information--Part 2--Reports Bibliographies*, v1 n3, May-June 1972. 27p. (Annotated Listing)

Information Science, Audiovisual Aids, Instructional Materials, Library Science, Instructional Films

The 195 audiovisual aids cited aim toward introducing students of library science to the rapidly evolving theory and technology of information science. Each item lists the title, length of film in minutes, a brief description of content, and the current availability. A subject index is provided.

72-242 LI

McCord, Mary F., ed. **ERIC Products 1970-1971; An Annotated Bibliography of Information Analysis Publications of the ERIC Clearinghouses, July 1970 Through June 1971** September 1971. 54p. (Annotated Bibliography) ED 054 827 RIE January 1972 MF-$0.65; HC-$3.29

Clearinghouses, Education, Educational Research, Educational Resources

The fourth annual bibliography of ERIC Clearinghouse publications reflects the information analysis activities of each Clearinghouse for Fiscal Year 1971. The publication includes 416 substantive bibliographies, papers, and state-of-the-art reviews which are identified as ERIC information analysis publications. The full text of 310 of the 416 documents cited are available in microfiche or hard copy from the ERIC Document Reproduction Service (EDRS).

72-243 LI

Mignon, Edmond **Directions in Education for Information Science; Proceedings of a Symposium for Educators (Denver, Colorado, November 11-13, 1971)** 1972. 177p. (Proceedings) ED 061 947 RIE August 1972 MF-$0.65; HC-$6.58

Curriculum Development, Education, Educational Theories, Information Science, Information Scientists, Librarianship

The eleven presented papers are separated into the five sessions of the symposium. Session I contains one paper concerned with the state-of-the-art. The three papers in the second session, theoretical approaches, are addressed to the question of what the philosophical problems underlying education in information science are. Session III is composed of four papers on practical approaches. Curriculum development is the subject of Session IV, which contains two papers on models, techniques, implementation and cooperation. The final session contains the wrap-up paper.

72-244 LI

Olsen, Harold A. **The Economics of Information: Bibliography and Commentary on the Literature. Second Edition 1972** *Information -- Part 2 -- Reports.Bibliographies*, v1 n2, pp.v-26, March-April 1972. 32p. (Literature Review)

Economics, Information Science, Information Processing, Information Utilization

This report explores the bodies of literature pertinent to the economics of information, a topic of growing interest to the information community and to economists. The major portion of the article is devoted to a selected bibliography of over 300 items dealing with the economics of information.

72-245 LI

Smith, J. I.; Frankie, Suzanne O. **ERIC Clearinghouse on Library and Information Sciences; Information Center Profile** *Information--Part 1--News.Sources.Profiles*, v4 n2, pp.52-55, January-February 1972. 4p. (Journal Article)

Clearinghouses, Publications, Library Science, Information Science, Information Processing, Information Retrieval

ERIC/CLIS operations are described including origin, scope of interest, mission, activities, publications (including information analysis products), and listed are the members of the ERIC/CLIS Advisory Board.

72-246 LI

Smith, William A., ed. **The Management of Information Analysis Centers: Proceedings of a Forum Held at the National Bureau of Standards, Gaithersburg, Maryland, May 17-19, 1971** January 1972. 203p. (Proceedings) ED 061 946 RIE August 1972 MF-$0.65; HC-$9.87

Electronic Data Processing, Information Centers, Information Processing, Management, Marketing [Scientific and Technical Information]

The given papers were presented in four sessions separated by topic. Besides the welcoming remarks and the keynote address, session 1 contains three general papers on information analysis centers and automatic data processing, abstracting and indexing services, and marketing. The papers presented in session 2 discuss automatic data processing operations and applications. The third session, on abstracting and indexing services, includes such case studies as those of ERIC/CLIS and the Air Force Machinability Center. Session 4, on marketing, includes such case studies as those of DoD, and Copper Data Center.

72-247 LI

Weiner, Betty H. **Special Libraries: Planning and Operation; Preliminary Draft** September 1971. 34p. (Monograph) ED 061 982 RIE August 1972 MF-$0.65; HC-$3.29

Library Planning, Special Libraries

Combined are a pragmatic how-to-do-it approach with suggestions for applying system analysis techniques for planning and operating a small special library or information center. These information facilities generally are small, so manual rather than automated procedures are discussed. In considerations for expansion, however, the ease of convertibility to automation is taken into account.

72-248 LI

Wilkie, Lorna C. **Directory of Educational Programs in Information Science 1971-1972** November 1971. 110p. (Directory) ED 056 728 RIE March 1972 MF-$0.65; HC-American Society for Information Science, 1140 Connecticut Ave., N.W. Suite 804, Washington, D.C. 20036 (Members $4.50 Non-members $5.00)

Education, Information Science, Information Scientists, Information Systems, Information Theory

For the purposes of this Directory, information science includes the following subjects: library and information systems, library automation and networks, systems analysis, management information systems, information needs and uses, abstracting and indexing, advanced classification theory, non-traditional techniques of organizing knowledge, management of technical information centers, reprography, computational linguistics, man-machine interaction, and information theory. This first edition of the Directory describes only those graduate programs with primary emphasis on information science rather than on its two major applications, namely computer science and library science.

72-249 PS

Education Commission of the States **Early Childhood Development: Alternatives for Program Implementation in the States** September 1971. 19p. (Paper) ED 051 436 RIE October 1971 MF-$0.65; HC-$3.29

Early Childhood Education, Preschool Programs, State Programs, Educational Innovation, State Action

Selected highlights from the Report of the Education Commission of the States, June 1971, are presented in this report. Basic data is provided about alternative approaches state-level policy makers should consider as a state initiates or expands its early childhood programs. Major goals of statewide programs for children under 6 years of age are discussed.

72-250 PS

Bernbaum, Marcia **Curriculum Guides at the Kindergarten and Preschool Levels: An Abstract Bibliography** March 1972. 40p. (Annotated Bibliography) ED 060 963 RIE July 1972 MF-$0.65; HC-$3.29

Abstracts, Annotated Bibliographies, Curriculum Guides, Kindergarten Children, Preshcool Children

Curriculum guides that cover a wide range of content area as well as a wide age range are cited in this bibliography with abstracts accompanying each selection. The curriculum guides cited are intended for use by the preschool and kindergarten teacher.

72-251 PS

Bernbaum, Marcia **Early Language Development: An Abstract Bibliography** October 1971. 29p. (Annotated Bibliography) ED 056 754 RIE March 1972 MF-$0.65; HC-$3.29

Language Development, Annotated Bibliography, Abstracts, Preschool Children, Preschool Education

Presented are abstracts of documents on early language development which are found in the ERIC microfiche collection, and also cites articles in the journal literature. Both published and unpublished studies are listed, focusing on language acquisition, language curriculum practices, and reviews of language research.

72-252 PS

Bernbaum, Marcia **Educational Television for Preschool and Kindergarten Children: An Abstract Bibliography** October 1971. 26p. (Annotated Bibliography) ED 056 755 RIE March 1972 MF-$0.65; HC-$3.29

Educational Television, Annotated Bibliographies, Abstracts, Preschool Children, Kindergarten Children

Included are abstracts of documents on preschool educational television which are found in the ERIC microfiche collection and, also cites articles in the journal literature. Evaluations of "Sesame Street," descriptions of the Appalachia Preschool Television Program, and a report on a television series designed to teach English to Spanish-speaking preschoolers are given.

72-253 PS

Bernbaum, Marcia, comp. **Number and Concept Development: An Abstract Bibliography** October 1971. 20p. (Annotated Bibliography) ED 057 921 RIE April 1972 MF-$0.65; HC-$3.29

Abstracts, Annotated Bibliographies, Concept Formation, Mathematical Concepts, Preschool Education

This bibliography has been compiled on alert educators to documents about concept development in young children, particularly the development of number concepts found in the ERIC microfiche collection and in journal literature. Included are published and unpublished studies focusing on children's acquisition of concept of number, number conservation research, suggestions for practitioners relating to number development, and concept research.

72-254 PS

Butler, Annie L. **Recent Research in Early Childhood Education** August 1971. 13p. (Paper) ED 058 970 RIE May 1972 MF-$0.65; HC-$3.29

Early Childhood Education, Educational Change, Parent Influence, Philosophy, Research

The recent research in the United States in the field of early childhood education is reported on. This research is characterized by conflicting idealogies concerning issues such as the relative importance of direct instruction and incidental learning; emphasis on cognitive learning as opposed to a more broadly bared curriculum; and orientation of education to future or to present needs of the child.

72-255 PS

Byers, Libby **To Laugh is to Know. A Discussion of the Cognitive Element in Children's Humor** September 1971. 14p. (Paper) ED 051 879 RIE October 1971 MF-$0.65; HC-$3.29

Humor, Cognitive Development, Educatonal Television, Teaching Techniques, Child Development

The development of children's humor is described in this short paper, which focuses on the cognitive aspect of what is funny and how humor relates to children's intellectual growth. Cognitive elements that facilitiate children's humor are identified, and humor is discussed as an instructional technique to reinforce and expand recently-learned concepts.

72-256 PS
Elliott, David L. **Beyond Open Education: Getting to the Heart of Curriculum Matters** October 1971. 29p. (Paper) ED 056 756 RIE March 1972 MF-$0.65; HC-$3.29

Educational Philosophy, Educational Objectives, Educational Planning, Curriculum, Developmental Programs

In this examination of the qualities and goals of open education, American educators are cautioned against oversimplifying and romanticising developments in England. Some of the qualities of open education are discussed and contrasted with those of traditional school programs. Suggestions are made for development of pacemaker programs in the United Sates.

72-257 PS
Griffin, Louise **Multi-Ethnic Books for Young Children: An Annotated Bibliography for Teachers and Parents** 1971. 74p. (Annotated Bibliography) ED 046 519 RIE May 1971 MF-$0.65; HC-$3.29

Annotated Bibliographies, Childrens Books, Ethnic Groups, Cultural Background, Booklists

This bibliography lists books now available about children whose race, national background, ethnic group, or life style is not white, middle class. It includes books in languages other than English, books for parents and teachers, and a directory of publishers.

72-258 PS
Harlow, Steven **Freedom in the Classroom. 1970-71 Faculty Lecture Series** July 6, 1971. 23p. (Paper) ED 056 746 RIE March 1972 MF-$0.65; HC-$3.29

Early Childhood Education, Educational Philosophy, Individual Development, School Environment, Student Behavior, Freedom

Relational patterns of perceiving and behaving which describe how three different types of children relate to the classroom environment are survival, adjustment, and encounter. The most immature and closed pattern is that of survival. The adjustment pattern typifies the child who first discovers what others expect of him and then produces the desired behavior. The pattern of encountering is the most mature. Components and antecedents of freedom, and their significance for the teacher in helping all three types of children achieve freedom in the classroom, are discussed.

72-259 PS
Haskell, Lucy A., comp. **British Primary Education; An Annotated Bibliography** July 1971. 18p. (Annotated Bibliography) ED 052 843 RIE November 1971 MF-$0.65; HC-$3.29

Educational Innovation, Educational Philosophy, Instructional Innovation, Teaching Methods [Great Britain]

Listed are British publications useful to American educators' understanding of educational reform in England and the British primary schools. Since American enthusiasm for open and information educational methods has grown so quickly, this bibliographic tool is a necessary first step in the systematic, thorough study of British schools as potential models for United States school reform. The bibliography is divided into four sections: "A Brief Survey of English Education", "Pioneers in Educational Thought"; "Contemporary Trends in Primary Education"; and "Curriculum Innovations."

72-260 PS
Howard, Norma **Mother-Child Home Learning Programs: An Abstract Bibliography** April 1972. 47p. (Annotated Bibliography) ED 060 962 RIE July 1972 MF-$0.65; HC-$3.29

Abstracts, Annotated Bibliographies, Home Instruction, Learning Activities, Parent Child Relationship

The intent of the programs described in publications cited in this bibliography is to help parents in the home setting to become better parents of their young children. Studies show that home programs in which the parent is involved as teacher benefit not only the target child, but also result in a beneficial diffusion effect to siblings. A total of 71 abstract annotations and 10 journal references are included.

72-261 PS
Hucklesby, Sylvia **Opening Up the Classroom: A Walk Around the School** August 1971. 12p. (Paper) ED 053 817 RIE December 1971 MF-$0.65; HC-$3.29

Teaching Techniques, Teacher Role, Natural Resources, Student Motivation, Discovery Learning

Learning activities which might result from a short nature walk are outlined in this paper and illustrate open education practices. The teacher's objective is to help the child learn strategies and skills which will enable him to acquire, sort, store and use information, in contrast to learning a body of facts.

72-262 PS
Johnson, Adele M. **Infant Studies: An Annotated Bibliography** October 1971. 18p. (Annotated Bibliography) ED 055 661 RIE February 1972 MF-$0.65; HC-$3.29

Infants, Infant Behavior, Annotated Bibliographies, Early Experience, Child Development

Listed are documents on infant studies found either in the abstract journal, "Research in Education" (RIE), 1970-71, or in "Current Index to Journals in Education" (CIJE), 1970-71. Included are all citations for the specified time period, except for work on exceptional infants.

72-263 PS
Katz, Lilian G. **Teaching the Young Child: Goals for Illinois** August 1971. 8p. (Paper) ED 053 805 RIE December 1971 MF-$0.65; HC-$3.29

Organizations (Groups), Childhood Needs, Objectives

The goals, purposes, and future role of the Illinois Association for the Education of Young Children (ILLAEYC) are outlined. Necessary elements of high quality programs for young children are discussed. An individualized relationship between adult and child is needed, and this involves eye-to-eye contact, intensive interaction with each child, and time for reflection on the day's activities.

72-264 PS
Kremer, Barbara **Behavior Modification in the Classroom. An Abstract Bibliography** February 1972. 21p. (Annotated Bibliography) ED 062 005 RIE August 1972 MF-$0.65; HC-$3.29

Behavior Change, Annotated Bibliographies, Classroom Techniques, Preschool Children, Operant Conditioning

Operant conditioning, or behavior modification, entails the use of consequences (rewards) to strengthen or weaken individual responses under specified stimulus conditions. The papers included in this abstract bibliography deal with these aspects of behavior modification: theory and practice; classroom use; use with preschool children; use with disadvantaged children.

72-265 PS
Kremer, Barbara, comp. **Parent Education; Abstract Bibliography** October 1971. 39p. (Annotated Bibliography) ED 056 782 RIE March 1972 MF-$0.65; HC-$3.29

Annotated Bibliographies, Early Childhood, Parent Education, Parent Participation, Preschool Programs

This bibliography has been compiled to alert educators to parent education documents found in the ERIC microfiche collection and in journal literature. Abstracts of selected documents have been taken from "Research in Education (RIE)", and journal article citations from the "Current Index to Journals in Education (CIJE)". Included are published and unpublished studies on parent education which fall into two categories; training for parents of children from infancy to 3 years of age, and education for parents of preschool children.

72-266 PS
Kremer, Barbara **Self-Concept Development: An Abstract Bibliography** March 1972. 24p. (Annotated Bibliography) ED 063 015 RIE September 1972 MF-$0.65; HC-$3.29

Self Concept, Self Esteem, Annotated Bibliographies, Racial Attitudes, Preschool Programs

This abstract bibliography lists reports of studies and programs which are concerned with the development of a favorable self concept in the young child. Separate sections present these aspects of self concept development: implications for education; racial attitudes; day care and early childhood programs; enhancing self-image in the classroom.

72-267 PS
Lavatelli, Celia S., ed. **Language Training in Early Childhood** August 1971. 185p. (Book) ED 051 881 RIE October 1971 HC-University of Illinois Press, 54 East Gregory, Champaign, Illinois 61820 ($4.00)

Language Development, Student Teacher Relationship, Early Childhood Education, Psycholinguistics, Evaluation Techniques

Contained is a collection of papers devoted to both the theory and practice of language training. Its purpose is to help readers, especially teachers, become more aware of language processes and of the components of teacher-child interaction that affect the acquisition of language.

72-268 PS
Liebert, Robert M.; Baron, Robert A. **Effects of Symbolic Modeling on Children's Interpersonal Aggression** April 1972. 27p. (Paper) ED 054 852 RIE January 1972 MF-$0.65; HC-$3.29

Aggression, Elementary School Students, Television Viewing, Violence

Does exposure to symbolically modeled aggression (aggression in cartoons, movies, stories and simulated television programs) increase children's willingness to engage in behavior which might actually harm another human being? This paper presents a summary of three recent experiments offering affirmative answers to the question. A fourth experiment provides evidence that at least under some circumstances, children's interpersonal aggression may be increased by witnessing symbolic aggressive models.

72-269 PS
Weikart, David P.; And Others **The Cognitively Oriented Curriculum: A Framework for Preschool Teachers. Final Report. Volume I** 1971. 182p. (Book) ED 044 535 RIE April 1971 MF-$0.65; HC-$6.58

Curriculum Development, Curriculum Planning, Cognitive Development, Preschool Programs [Piaget (Jean)]

Described is the Cognitively Oriented Curriculum which isbased on Piagetian theory and is used in the Perry Preschool Project, Ypsilanti, Michigan. Topics covered are objectives, teaching techniques, teacher attitudes, learning goals, classroom routine and equipment, home visits and parental involvement. An extensive classroom activity guide and sample daily schedules and commentary are included.

72-270 RC
Cooperative Vocational Education in Small Schools; A Suggested Guide for Program Planning 1972. 39p. (Paper) ED 063 069 RIE September 1972 MF-$0.65; HC-$3.29 HC is also available from G.P.O. Washington, D.C. 20402 ($0.50, Stock number 1780-0963)

Cooperative Education, Program Planning, Rural Schools, School Community Relationship, Vocational Education

Guidelines and alternatives for planning cooperative vocational education programs in small rural schools are presented this document, which proposes methodologies to promote the range of opportunities for occupational exploration and training via a learning-earning program that utilizes community resources. The document contains guidelines relating to meeting instructional objectives within the career education concept, organizing instruction, and program implementation.

72-271 RC
Altus, David M., comp. **Migrant Education, A Selected Bibliography. Supplement No. 2** August 1971. 140p. (Annotated Bibliography) ED 055 706 RIE February 1972 MF-$0.65; HC-$6.58

Abstracts, Bibliographies, Educational Programs, Migrant Education, Publications

90 documents and 44 journal articles published between 1964 and 1970 are cited. The citations include a wide variety of resource materials which examine educational needs of migrant families and educational programs for migrant youth and adults. An index of subject terms is included. This bibliography is the second in a series of planned supplements to the basic bibliography, ED 028 011 RIE August 1969; Supplement No. 1 is ED 040 002 RIE October 1970.

72-272 RC
Altus, David M., comp. **Outdoor Education, A Selected Bibliography. Supplement No. 1** August 1971. 264p. (Annotated Bibliography) ED 055 702 RIE February 1972 MF-$0.65; HC-$9.87
Bibliographies, Conservation Education, Ecology, Outdoor Education, Recreation
Some 125 documents and 217 journal articles published between 1960 and 1970 are cited. In addition to outdoor education, the areas of conservation education, recreation, and ecology are represented. Types of materials cited include research reports, descriptions of programs, and materials for instructional use. An index of subject terms is included. This bibliography is the first in a series of planned supplements to ED 037 285, RIE July 1970.

72-273 RC
Altus, David M., comp. **Rural Education and Small Schools, A Selected Bibliography. Supplement No. 1** July 1971. 495p. (Annotated Bibliography) ED 055 695 RIE February 1972 MF-$0.65; HC-$16.45
Abstracts, Bibliographies, Publications, Rural Education, Small Schools
Some 352 documents and 166 journal articles published between 1955 and 1970 are cited. The citations include a wide variety of resource materials which examine educational needs, opportunities, and programs in rural and small schools. An index of subject terms is included. This bibliography is the first in a series of planned supplements to ED 033 257, RIE March 1970.

72-274 RC
Arciniega, Tom **The Urban Mexican American: A Sociocultural Profile** July 1971. 23p. (Paper) ED 050 887 RIE September 1971 MF-$0.65; HC-$3.29
Group Dynamics, Mexican Americans, Sociocultural Patterns, Urban Culture, Values
This analysis seeks to indicate the distinctions in the patterns of life of different types of Mexican Americans in order to provide a workable framework for empirical research. This framework, along with the accompanying alues schemes and allegiance-group patterns, furnishes general guidelines for mounting action programs for urban Mexican Americans. Two figures and 13 references are included.

72-275 RC
Heathman, James E.; Nafziger, Alyce J. **Scheduling for Flexibility; A Manual for Administrators of Small Schools** October 1971. 64p. (Report) ED 056 820 RIE March 1972 MF-$0.65; HC-$3.29
Course Organization, Flexible Scheduling, Manuals, Small Schools, Time Blocks
This manual was prepared to provide administrators of small schools with information on techniques which promote flexibility in school scheduling. The information provided should enable the administrator (1) to determine if some variation of flexible scheduling would be beneficial and feasible for his particular school situation and (2) to locate more specific information by contacting schools or by obtaining literature referred to in the manual. A 31-item bibliography is included.

72-276 RC
Hughes, Larry W.; Spence, Dolphus L. **Attitudes and Orientations of Rural Groups and Effects on Educational Decision-Making and Innovation in Rural School Districts; A Synthesis of Research** July 1971. 54p. (Report) ED 054 892 RIE January 1972 MF-$0.65; HC-$3.29
Decision Making, Educational Change, Rural Schools, Rural Youth, Teacher Attitudes
The rural community is characterized by decreasing population and erosion of local taxable wealth which contribute to the ineffectiveness of community agencies or institutions in meeting citizens' needs. The rural community resists widespread effort to change existing conditions. To a large degree, local educational programs are determined by the attitudes of local administrators, teachers, school board members, parents, and other adults in the community. Education continues to be viewed as an expense rather than an investment, with the school being an agency for passing on the eternal verities rather than an agency for social change. Constructive efforts to improve rural schools are being made.

72-277 RC
Rosenstein, Irwin **Sources of Funding for Out - door Education** November 1971. 34p. (Report) ED 058 986 RIE May 1972 MF-$0.65; HC-$3.29
Agencies, Federal Aid, Financial Support, Outdoor Education, Private Financial Support
The sources of funds of outdoor education are many. Narrative information and a chart of funding sources describe the types of funds, their purposes, who may apply, and how to receive further information; address lists of state education departments, U.S. Department of Housing and Urban Development regional offices, Bureau of Outdoor Recreation regional offices, U.S. Office of Education regional offices, and state agencies for surplus property are appended.

72-278 RC
Uxer, John E.; Benson, Charles W. **Mobile Learning Facilities** August 1971. 19p. (Report) Ed 053 855 RIE December 1971 MF-$0.65; HC-$3.29
Educational Improvement, Flexible Facilities, Mobile Classrooms, Mobile Educational Services, Services
Reviewing the scope of mobile facilities utilization as a partial solution to providing educational opportunities for school populations, this synthesis found the literature to indicate that the total and potential usage of mobile facilities is great. After a discussion of types of mobile units, uses of mobile facilities are identified. Included are 25 references.

72-279 RE
Hill, Walter; Bartin, Norma G. **Secondary Reading Programs: Description and Research** *ERIC/CRIER Reading Review Series, Bibliography 30,* July 1971. 74p. (Annotated Bibliography) ED 055 759 RIE February 1972 MF-$0.65; HC-$3.29
Annotated Bibliographies, Reading Programs, Secondary Grades, Surveys
Contained are 145 citations and abstracts concerning the growth and present status of secondary reading. These entries are grouped in four parts: (1) surveys, (2) programs, (3) comparative or experimental studies, and (4) summaries of research.

72-280 RE
Jongsma, Eugene **The Cloze Procedure as a Teaching Technique** November 1971. 42p. (Paper) ED 055 253 RIE February 1972 MF-$0.65; HC-International Reading Association, Six Tyre Ave., Newark, Del. 19711 ($1.00 to members, $1.50 to non-members)
Cloze Procedure, Reading Instruction, Literature Reviews, Research Needs, Reading Research
Reviewed and synthesized are several studies to determine what is currently known about cloze as a teaching technique and identified are research weaknesses in this area.

72-281 RE
Rogers, Norma **What is Reading Readiness?** November 1971. 16p. (Monograph) ED 057 987 RIE April 1972 MF-$0.65; HC-$3.29
Reading Readiness, Beginning Reading, Child Development, Parent Teacher Cooperation, Parent Role
Written for parents, this monograph identifies factors in reading readiness and its development. It also offers advice on how to help a child achieve readiness.

72-282 RE
Saretsky, Gary; And Others **Accountability, A Bibliography** November 1971. 16p. (Bibliography) ED 055 757 RIE February 1972 MF-$0.65; HC-$3.29
Educational Accountability, Performance Contracts, Evaluation Criteria, Bibliographies
Listed are 225 citations dealing with accountability which are divided into 12 categories--general, technical assistance, needs assessment, management systems, change strategies, performance objectives, performance budgeting, staff development, comprehensive evaluation, program auditing, community involvement, and cost effectiveness.

72-283 RE
Winebrenner, Rosemary **How Can I Get My Teenager to Read?** November 1971. 21p. (Monograph) ED 057 988 RIE April 1972 MF-$0.65; HC-$3.29
Teenagers, Reading Interests, Attitudes, Motivation Techniques, Parent Role
Offered is advice to parents on reasons why teenagers don't read, and suggests ways to help, both at home and in cooperation with the school.

72-284 SE
National Association for Research in Science Teaching, 45th Annual Meeting, Abstracts of Presented Papers April 1972. 199p. (Conference Report) ED 059 918 RIE June 1972 MF-$0.65; HC-$6.58
Abstracts, Conference Reports, Instruction, Science Education
Abstracts of papers presented to the 45th Annual Meeting of the National Association for Research in Science Teaching are arranged according to the topic. Series of sessions were devoted to such topics as: test and instrument development, evaluation, learning theory, and verbal behavior. Single sessions were held for: teacher characteristics, student characteristics, and the history and philosophy of science.

72-285 SE
Promising Practices in Mathematics Teacher Education (Compiled for the Forum on Teacher Education, National Council of Teachers of Mathematics Annual Convention, Chicago, Illinois, April 1972) 1972. 210p. (Conference Report) ED 059 917 RIE June 1972 MF-$0.65; HC-$9.87
Educational Innovation, Field Experience Programs, Mathematics Education, Mathematics Teachers, Teacher Education
Described is a great variety of current activity, including the use of individualized instruction, flexible grouping, tutorial programs, laboratory teaching, computer assisted instruction, simulation, and field-oriented programs. Two-thirds of the programs concern elementary school teacher education, and one-third concerns secondary teacher education.

72-286 SE
Gray, James F. **Issues in Mathematics Education** April 1972. 31p. (Paper) ED 064 156 RIE October 1972 MF-$0.65; HC-$3.29
Educational Problems, Mathematics Education, Mathematics Teachers, Teacher Education
A keynote address for the Commission on Teacher Education of the National Council of Teachers of Mathematics Forum on Teacher Education, this paper briefly discusses what the author considers the major broad issues of both mathematics education and the education of mathematics teachers. Problems are outlined without a particular effort to propose solutions.

72-287 SE
Helgeson, Stanley L.; And Others **A Review of Environmental Education for Elementary and Secondary School Teachers, Volume I of III. Final Report** 1971. 186p. (Report) ED 059 913 RIE June 1972 MF-$0.65; HC-$6.58
Elementary School Teachers, Environmental Education, Sciences, Secondary School Teachers, Social Sciences
Following a general orientation, specific problems and needs are identified and research related to these is noted. Current practices concerning environmental education programs and materials are summarized. Brief descriptions of selected programs and materials and case studies describing program development and implementation are included.

72-288 SE
Helgeson, Stanley L.; And Others **A Review of Environmental Education for Teachers of Urban Disadvantaged, Volume II Final Report** December 1971. 167p. (Report) ED 059 914 RIE June 1972 MF-$0.65; HC-$6.58
Environmental Education, Sciences, Social Sciences, Teachers, Urban Education
Following a general orientation, specific problems and needs are identified and research related to these is noted. Current practices concerning programs and materials are summarized. Brief descriptions of selected programs and materials and case studies describing program development and implementation are included.

72-289 SE
Helgeson, Stanley L.; And Others **A Review of Environmental Education for School Administrators, Volume III of III. Final Report** December 1971. 178p. (Report) ED 059 915 RIE June 1972 MF-$0.65; HC-$6.58
Administrative Personnel, Environmental Education, Resource Materials, Sciences, Social Sciences
This report is designed for school administrators to familiarize them with the field of environmental education. Specific problems and needs are identified and research related to these is noted. Current practices, programs and materials are summarized. Brief descriptions of selected programs and materials and case studies describing program development and implementation are included.

72-290 SE
Higgins, John L., ed. **Investigations in Mathematics Education, Volume 5, Number 1** 1972. 73p. (Abstract Journal) ED 061 078 RIE July 1972 MF-$0.65; HC-$3.29 HC also available from Ohio State University, Center for Science and Mathematics Education, 248 Arps Hall, Columbus, Ohio 43210 (Subscription, $6.00 per year, $1.75 single copy)
Abstracts, Mathematics Education, Research
The twenty abstracts review research articles published in the past two years, and are classified in four sections: (1) Aspects of mathematics learning, (2) Mathematics instruction and instructional materials, (3) Mathematics achievement and its correlates, and (4) Teacher education and evaluation. Each abstract includes an objective indication of the purpose, rationale, research design findings, and interpretation of the investigation, together with a critical analysis.

72-291 SE
Higgins, John L., ed. **Investigations in Mathematics Education, Volume 5, Number 2** 1972. 74p. (Abstract Journal) ED 063 161 RIE September 1972 MF-$0.65; HC-$3.29. HC is also available from Ohio State University, Center for Science and Mathematics Education, 248 Arps Hall, Columbus, Ohio 43210 (Subscription, $6.00 year, $1.75 single copy)
Abstracts, Mathematics Education, Research
This issue contains 17 expanded abstracts of recent research in mathematics education. Each abstract reports the purpose, rationale, design, procedure, findings, and interpretation of the experiment, followed by an evaluation of the research. The research abstracted in this issue is largely concerned with teaching methods and with student and teacher characteristics.

72-292 SE
Higgins, John L. **Research Reporting Sections, National Council of Teachers of Mathematics 50th Annual Meeting, Chicago, Illinois, April 16-19, 1972** April 1972. 78p. (Conference Report) ED 064 149 RIE October 1972 MF-$0.65; HC-$3.29
Conference Reports, Instruction, Learning, Mathematics Education, Research
Included is a collection of 20 abstracts of research papers presented at the 50th annual meeting of the National Council of Teachers of Mathematics. Four papers were presented at each of five research reporting sections: (1) mathematics instruction and instructional materials, (2) aspects of mathematics learning, (3) general research topics in mathematics education, (4) mathematics achievement and its correlates, and (5) teacher education and evaluation.

72-293 SE
Suydam, Marilyn N. **Research on Mathematics Education (K-12) Reported in 1971** March 1972. 87p. (Annotated Bibliography) ED 064 126 RIE October 1972 MF-$0.65; HC-$3.29
Elementary School Mathematics, Mathematics Education, Research, Secondary School Mathematics
Research related to mathematics teaching and learning published in the United States in 1971 is listed. Each annotation gives major results and appropriate level of the study. The first section lists research summaries. The second section contains research reports which appeared in major journals in 1971. The third and final section covers dissertations announced in DISSERTATION ABSTRACTS INTERNATIONAL.

72-294 SE
Travers, Kenneth J.; And Others **Teaching Resources for Low-Achieving Mathematics Classes** July 1971. 66p. (Paper) ED 053 980 RIE December 1971 MF-$0.65; HC-$3.29
Bibliographies, Low Achievers, Mathematics Education, Resource Materials, Teaching Techniques
This paper reviews teaching approaches and general resource materials for low achievers in both elementary and secondary mathematics classes.

72-295 SE
Walbesser, Henry H.; Eisenberg, Theodore A. **A Review of Research on Behavioral Objectives and Learning Hierarchies** January 1972. 82p. (Paper) ED 059 900 RIE June 1972 MF-$0.65; HC-$3.29
Behavioral Objectives, Mathematics, Research Reviews (Publications), Science Education, Learning
In the first part of this paper, the purposes of behavioral objectives are outlined; research is then summarized. The second part presents a summary of methods of constructing learning hierarchies. The research topics outlined include the structure and efficiency of expert versus student generated hierarchies, relationships between performances on adjacent levels of a hierarchy, and the psychometries of learning hierarchies.

72-296 SE
Welch, Wayne W. **Review of the Research and Development Program of Harvard Project Physics** December 1971. 35p. (Paper) ED 059 887 RIE June 1972 MF-$0.65; HC-$3.29
Curriculum Development, Curriculum Evaluation, Physics, Secondary, School Science [Harvard Project Physics]
The purpose of this paper is to summarize and review the results of the Harvard Project Physics (HPP) research and evaluation activity to make available to interested science educators the design, implementation, and results of a major curriculum evaluation effort. This activity was conducted during the years 1965-1970.

72-297 SO
Bare, John K. **Psychology: Where to Begin** 1971. 20p. (Monograph) ED 055 938 RIE February 1972 MF-$0.65; HC-$3.29
Curriculum Planning, Psychology, Social Studies, Textbook Selection
This essay is written for the secondary school teacher who is organizing that first course. The discipline is described in terms of its central concerns with some history and some prediction for tomorrow. Against this historical background, traditional texts, published since 1966, are listed which provide an introduction to the facts, methods, and validated principles. A bibliography of references is appended.

72-298 SO
Gross, Richard E.; De La Cruz, Leonardo **Social Studies Dissertations 1963-1969** 1971. 285p. (Annotated Bibliography) ED 054 999 RIE January 1972 MF-$0.65; HC-$9.85
Classroom Research, Curriculum Research, Doctoral Theses, Educational Research, Social Studies
This compendium of 216 abstracts updates Walter E. McPhie's "Dissertations in Social Studies Education" published as "Research Bulletin number 2" by the National Council for the Social Studies, 1963. In the introduction the authors analyze and comment on the direction of social studies research. Abstracts with bibliographic data and microfilm order numbers are arranged by level within six general topics. Subject and author indexes are included.

72-299 SO
Haley, Francis, ed. **Profiles of Promise** March 1972. 4p. (Serial) SO 003 366 RIE (unknown)
Democratic Values, Educational Change, Instructional Innovation
"Profiles of Promise" is a series of descriptive brochures that highlight innovative social studies and social education practices that teachers and administrators can easily adapt to their own situation. This number describes efforts at Bell Junior High School in Golden, Colorado to create a democratic environment.

72-300 SO
Holburn, Nicholas, ed. **Challenge and Change in College Geography** June 1972. 109p. (Paper) SO 004 021 RIE (unknown) MF-$0.65; HC-$6.58
Geography Instruction, Higher Education
This collection of original papers presented at the AAG annual meeting in Kansas City, Missouri, April 1972, reports results from the recent increased attention to geographic learning and teaching at the college level. The authors are concerned about further focusing on student learning rather than teacher comfort.

72-301 SO
Morrissett, Irving, ed.; Wiley, Karen B., ed. **The Environmental Problem. Selections from Hearings on the Environmental Education Act of 1970** 1971. 239p. (Book) ED 056 922 RIE March 1972 MF-$0.65; HC-Social Science Education Consortium, Inc., 855 Broadway, Boulder, Colorado 80302 (Paperback, $6.95 Hard Copy $8.95)
Ecology, Educational Legislation, Environment, Environmental Education, Federal Legislation [Environmental Education Act of 1970]
Presented is the record of the hearings which contains testimony from a wide cross-section the population. The testimony ranges from very high level, abstract, global thinking to detailed descriptions of specific action programs. The record has been carefully edited and condensed in order to present the essential themes, and a wide variety of viewpoints.

72-302 SO
Risinger, Fred; Radz, Michael **Social Studies Projects Tour: An Informal Report** 1971. 30p. (Paper) ED 055 939 RIE February 1972 MF-$0.65; HC-$3.29
Curriculum Development, Curriculum Research, Curriculum Study Centers, Projects, Social Studies
Information about 40 social studies/social science centers and projects is brought up to date as of late spring 1971. This publication differs from the directories and summaries of the projects begun in the late 1960's in that the reports are based on personal interviews. The related directories and summaries are: 1) ED 041 814 RIE December 1970, 2) ED 042 671 RIE January 1970, 3) ED 050 003 RIE August 1971, and 4) ED 051 059 RIE September 1971.

72-303 SO
Sander, Daryl L. **Adolescent Alienation; Some Ideas and Approaches for Social Studies Teachers** May 1972. 17p. (Interpretative Series) ED 062 224 RIE August 1972 MF-$0.65; HC-$3.29
Relevance (Education), Social Studies, Student Alienation
The author interviewed Dr. Keith Davis, Dr. Edward Shoben and Dr. Gilbert Wrenn and from their provocative ideas and his own experience in teacher education and counseling, wrote this paper to help social studies teachers gain perspective on reading for the alienated students in the classroom.

72-304 SO
Senn, Peter R.; Binkley, Joanne L. **Consumer Education: Questions and Resources** 1971. 17p. (Paper) ED 055 931 RIE February 1972 MF-$0.65; HC-$3.29
Consumer Economics, Consumer Education, Curriculum Planning, Media Selection, Social Studies
Joseph N. Uhl's Survey and Evaluation of Consumer Education Programs in the United States (ED 038 549 RIE September 1970) is the source of this information and the basis for this brief guide. The first part raises 15 questions on consumer education as part of the social studies that should be considered. The second part of the paper describes some of the major sources of information on curriculum planning and consumer guidance.

72-305 SO
Tom, Alan; Woodley, Celeste P. **Classroom Observation and Analysis: Sources for Social Studies Teachers** 1971. 76p. (Paper) ED 053 047 RIE November 1971 MF-$0.65; HC-$3.29
Affective Behavior, Behavioral Science Research, Classroom Observation Techniques, Cognitive Processes, Social Studies
Abstracted are more than 30 sources selected for their usefulness in providing contexts and specific illustrations for understanding observation and analysis. 22 additional sources are listed in a bibliography.

72-306 SO
Watt, Lois B., comp.; Thomas, Myra H., comp. **Environmental-Ecological Education: A Bibliography of Fiction, Nonfiction and Textbooks for Elementary and Secondary Schools** 1971. 36p. (Annotated Bibliography) ED 055 937 RIE February 1972 MF-$0.65; HC-$3.29
Childrens Books, Conservation Education, Ecology, Environmental Education, Social Studies
Acquisitions received between January 1st 1969 and May 25, 1971 by the educational Materials Center of the National Center for Educational Communication is the basis for this bibliography. The books annotated were selected on the basis of: 1) publication during this period; 2) critical reception or favorable review by at least two professional journals; and 3) ecological content.

72-307 SP
Armstine, Donald **The Humanistic Foundations in Teacher Education** January 1972. 68p. (Paper) ED 058 156 RIE April 1972 MF-$0.65; HC-$3.29
Educational History, Educational Philosophy, Foundations of Education, Teacher Education Curriculum
Explored is the role the foundations studies might play in the preparation of teachers. It concentrates on the humanistic foundations of education, which are defined as the history and philosophy of education and the social foundations of education.

72-308 SP
Bowman, Garda W.; Anderson, Wilton **Structured Career Development from Teacher Aide to Teacher--And Beyond** August 1971. 60p. (Monograph) ED 054 047 RIE December 1971 MF-$0.65; HC-$3.29
Career Ladders, Career Opportunities, Paraprofessional School Personnel, Program Development, Teacher Education
In the first of the two papers in this monograph, the author describes the concepts of career ladders and career lattices for paraprofessionals in education and the recent implementation of these concepts. The various benefits resulting from a career ladder and paraprofessional program are discussed. The second paper describes the Career Opportunities Program of the U.S. Office of Education.

72-309 SP
Bulger, Paul G. **Education as a Profession** January 1972. 25p. (Paper) ED 059 148 RIE May 1972 MF-$0.65; HC-$3.29
Educational History, Educational Practice, Professional Occupations, Professional Recognition, Teacher Education
Traced is the development of professionalism in teacher education. Current issues in professionalism are the increased emphasis on academic subjects in teacher education programs, increased student-teaching experience and higher admission standards, increased militancy in the local and state professional negotiations, the need for more educators with doctor of arts degrees, the problems caused by teacher tenure, the need for greater academic freedom, the growth of differential staffing, lack of cooperation between teachers and administrators, and accreditation and licensing of teachers.

72-310 SP
Clothier, Grant M.; Hudgins, Bryce B. **Unique Challenges of Preparing Teachers for Inner-City Schools. Progress and Prospects** August 1971. 26p. (Paper) ED 056 971 RIE March 1972 MF-$0.65; HC-$3.29
Inner City, Teacher Characteristics, Teacher Education, Teacher Programs, Urban Education
The first half of this paper traces the growth of the awareness of the need for the preparation of inner-city school teachers through the writings of leading educators and through an examination of teacher education programs. The second part of the paper deals with future prospects for inner-city teacher education and examines the challenges facing the teacher, economic factors affecting teacher supply and demand, and the desirable characteristics of inner-city teachers.

72-311 SP
Cooper, James M.; And Others **Microteaching: Selected Papers** September 1971. 63p. (Paper) ED 055 960 RIE February 1972 MF-$0.65; HC-$3.29
Inservice Teacher Education, Microteaching, Preservice Education, Teacher Education, Teaching Skills
This is the second of a series of three bulletins dealing with "Supervisory Strategies in Clinical Experiences." The first of the two papers: defines microteaching, outlines its history, explains its rationale and uses in preservice and inservice training in the Peace Corps, counseling, supervisor training, and the training of college teachers. There is a bibliography of 58 items. The second paper discusses: 1) the original Stanford Teacher Education Project, 2) the Brigham Young University Program, and 3) the San Jose.

72-312 SP
Cruickshank, Donald R. **Simulation as an Instructional Alternative in Teacher Education** 1971. 33p. (Paper) ED 053 067 RIE November 1971 MF-$0.65; HC-$3.29
Inservice Teacher Education, Preservice Education, Simulation, Teacher Education
Six examples of simulation in preservice and inservice teacher education are described. Each description includes information on: purpose, form, use, specific advantages and drawbacks, and whom to contact for further information. Discussed are the general advantages of simulation and the specific advantages of using it in conjunction with student teaching, as part of the college-based teacher education program, and in inservice and graduate education.

72-313 SP
Furst, Norma; And Others **Interaction Analysis: Selected Papers** November 1971. 58p. (Paper) ED 055 961 RIE February 1972 MF-$0.65; HC-$3.29
Classroom Observation Techniques, Educational Research, Effective Teaching, Interaction Process Analysis, Teacher Education
This is the third in a series on "Supervisory Strategies in Clinical Experiences." The first paper concentrates on those studies which were designed to teach the Flanders behavior recording technique to preservice educators. The second paper sets out the case for observation systems in evaluating teacher effectiveness. The third paper describes four supervisory conference procedures.

72-315 SP
Haberman, Martin **Guidelines for the Selection of Students into Programs of Teacher Education** April 1972. 45p. (Monograph) ED 063 247 RIE September 1972 MF-$0.65; HC-$3.29
Admission Criteria, Open Enrollment, Educational Supply, Teacher Education, Teacher Selection
In order to develop guidelines for improving the process of selecting students for teacher education programs, this paper synthesizes relevant evidence regarding human development, adult learning, college influence, college student characteristics, and present selection practices.

72-316 SP
Howsam, Robert **The Governance of Teacher Education** April 1972. 24p. (Monograph) ED 062 270 RIE August 1972 MF-$0.65; HC-$3.29
Teacher Education, Governance, Professional Education, Intellectual Disciplines, College Role
This paper develops three theses: (1) Education generally and teacher education in particular are disadvantaged by faulty governance systems and structures, (2) Many of the problems of education stem directly or indirectly from these faulty structures; (3) There is urgent need for a whole new set of assumptions about the governance of teacher education.

72-317 SP
James, Richard L., comp. **Directory of Multicultural Programs in Teacher Education** September 1971. 94p. (Directory) ED 055 964 RIE February 1972 MF-$0.65; HC-$3.29
College Programs, Cultural Education, Intercultural Programs, Teacher Education, Teacher Colleges
Data has been collected from 300 institutions prior to July 1, 1971. The directory provides a useful source of information on who is doing what and where concerning multicultural programs in teacher education. Programs are listed by state, and a contact person is named in each instance so that further information may be obtained.

72-318 SP
Kohlberg, Lawrence; Selman, Robert L. **Preparing School Personnel Relative to Values: A Look at Moral Education in the Schools** January 1972. 60p. (Paper) ED 058 153 RIE April 1972 MF-$0.65; HC-$3.29
Ethical Instruction, Individual Development, Maturation, Moral Values, Personal Growth
Moral teaching is defined as the process of open discussion aimed at stimulating the child to move to the next step in his development. The topics examined are: (a) definition of "good behavior"; (b) the teacher's initial task; (c) sequence of child's judgment; (d) encouragement of actions with level of judgment; and (e) discrepancies between judgment and action. The teacher must be concerned about the child's moral judgments rather than about conformity with the beliefs and judgments of the teacher.

72-319 SP
Kuschman, William E. **Overseas Student Teaching Programs: A Survey of American Collegiate Participation** June 1972. 29p. (Survey) ED 063 261 RIE September 1972 MF-$0.65; HC-$3.29
Intercultural Programs, Teacher Education, Teacher Education Curriculum, Teaching Experience, Teaching Programs
This study identifies those colleges and universities in the United States which sponsor or collaborate on overseas student teaching programs. The survey is set up as follows: programs are reported by state; reporting has been limited to overseas student teaching programs; and only programs in operation during the development of the survey are included. Six recommendations are made.

72-320 SP
Mathieson, Moira B. **Beginning Teachers in the Inner City: A Study of the Literature on Their Problems and Some Possible Solutions** 1971. 109p. (Literature Review) ED 050 028 RIE August 1971 MF-$0.65; HC-$6.58
Beginning Teachers, Inner City, Problems, Relevance (Education), Teacher Education, Urban Teaching
In addition to reviewing the literature, this paper points out some steps that have been taken in both preservice and inservice teacher education to alleviate problems. Much attention is given to research reports, program descriptions, program proposals, and comments by beginning teachers themselves. The author concludes that important ingredients for successful urban teaching are the attitude of the prospective teacher and early, extensive preservice experience. A 137-item annotated bibliography is included.

72-321 SP
McGeoch, Dorothy M. **The Campus Laboratory School: Phoenix or Dodo Bird?** June 1971. 39p. (Report) ED 050 046 RIE August 1971 MF-$0.65; HC-$3.29
College School Cooperation, Educational Improvement, Laboratory Schools, Student Teaching, Teacher Education
The development of the campus laboratory school is traced from its origins in Europe in the seventeenth century and in the United States normal school schools of the 1820's. The new emphasis is on a joint enterprise by public schools, universities and colleges, the community, and related public agencies. The means of disseminating the results of experimentation and research must be improved if campus schools are to have a useful future, and there must be opportunities for curriculum development and professional leadership.

72-322 SP
McKenna, Bernard H.; And Others **Teacher Evaluation: An Annotated Bibliography** 1971. 29p. (Annotated Bibliography) ED 055 988 RIE February 1972 MF-$0.65; HC-$3.29
Teacher Evaluation
In his introduction to the 86-item annotated bibliography by Mueller and Poliakoff, McKenna discusses his views on teacher evaluation and his impressions of the documents cited. He observes, in part, that the current concern is with the process of evaluation and that most researchers continue to believe that student achievement is the most reliable measure.

72-323 SP
Pilecki, Francis J. **The Interrrelation of Systems: A Systems Look at Where Teacher Education Fits into the Whole of Education, University, and Society** January 1972. 19p. (Paper) ED 059 150 RIE May 1972 MF-$0.65; HC-$3.29
Models, Systems Analysis, Teacher Education
Following an introductory section outlining basic concepts of systems theory, this paper presents a model for the examination of the relationship between formalized teacher education and larger systems. These systems include the university system, the field of education as a system, and the societal system in general. Sample data is provided for each matrix based on a study of the literature. It is suggested that the model would be most useful in specific research performed within a given region or national subsystem.

72-324 SP
Poliakoff, Lorraine **Teacher Centers: An Outline of Current Information** May 1972. 34p. (Outline) ED 062 302 RIE August 1972 MF-$0.65; HC-$3.29
Consortia, Educational Coordination, Coordination, College School Cooperation, Teacher Education [Teacher Centers]
Information for this outline was taken from unpublished documents, most of which were written in 1971 and 1972. Topics covered include rationale behind teacher centers; types, functions, clientele, staffing, and financing of teacher centers; parity; USOE management of educational renewal; numbers of teacher centers; and the educational extension agent.

72-325 SP
Zintz, Miles V.; And Others **The Implications of Bilingual Education for Developing Multicultural Sensitivity Through Teacher Education** September 1971. 76p. (Monograph) ED 054 071 RIE December 1971 MF-$0.65; HC-$3.29
Bilingual Education, Cross Cultural Training, Cultural Differences, English (Second Language), Teacher Education
Teachers must be continuously alert to the difference in languages, values, and customs and seek to understand their students as real people. Otherwise the student who must learn English as a second language develops insecurity. The second language should be introduced systematically but gradually. The student should acquire the concepts and skills of two languages, and should attain a positive self-image through the understanding of the value of his own culture.

72-326 TE
Dieterich, Daniel J. **Diserroneosospellingitis or the Fine (Language) Art of Spelling** *Elementary English*, v49 n2, pp. 245-253, February 1972. 9p. (Journal Article)
Spelling Instruction, English Instruction, Educational Research, Spelling, Research Reviews (Publications)
Updated is a 1969 NCTE/ERIC report on spelling by reviewing the research and theory that has become available since then and by describing ERIC documents that have been filed since the earlier report.

72-327 TE
Dieterich, Daniel J. **NCTE/ERIC Summaries & Sources--The Mod Mod World of Flexible Modular Scheduling** *English Journal*, v60 n9, pp.1264-1271, December 1971. 8p. (Journal Article)
Flexible Scheduling, Computer Oriented Programs, Schedule Modules, Independent Study, High Schools
The purpose of this article is to discuss the operation of flexible modular scheduling of high school English courses, to present the advantages and disadvantages of this procedure, and to describe several ERIC documents which can provide further information and/or guidance on the subject.

72-328 TE
Dieterich, Daniel J. **Performance Contracting: Pot of Gold? or Pandora's Box?** *Elementary English*, v49 n4, pp.612-621, April 1972. v61 n4, pp606-614, April 1972. 10p. (Journal Article)
Performance Contracts, Academic Achievement, Performance Criteria
Discussed are the advantages and disadvantages seen by experts in performance contracting and describes several ERIC documents dealing with the same controversy.

72-329 TE
Dieterich, Daniel J. **Student Unrest and Student Participation in Curriculum Planning** *English Journal*, v61 n3, pp.443-449, March 1972. 7p. (Journal Article)
Student Attitudes, Curriculum Planning, Activism, Student Participation
Reviewed are recent developments with regard to student unrest and student involvement in curriculum planning in high school, and described are several ERIC documents that offer practical guidance to involve students in curriculum development as a means of addressing the causes of student unrest.

72-330 TE
Dieterich, Daniel J. **Teaching Cultural Appreciation through Literature** *English Journal*, v61 n1, pp.142-147, January 1972. 6p. (Journal Article)
Cultural Awareness, World Literature, Literature [National Council of Teachers of English]
Discussed is the humanizing influence of literature as an effort at cross-cultural education with the emphasis on American minority groups and other national cultures and described are several ERIC documents that can shed additional light and help on the subject.

72-331 TE
Dieterich, Daniel J. **What News Is Fit to Print in the High School Press?** *English Journal*, v61 n2, pp.296-301, February 1972. 6p. (Journal Article)
Journalism, Secondary Education
Reviewed are some of the problems faced by high school newspaper advisors and journalism teachers in the context of the purposes of high school newspaper programs, to acquaint these teachers with the availability of materials suitable for their use in the ERIC system, and to describe several ERIC documents treating different aspects of high school journalism.

72-332 TE
Eble, Kennth E. **Preparing College Teachers of English** March 1972. 26p. (Monograph) ED 062 321 RIE August 1972 MF-$0.65; HC-$3.29
Questionnaires, Attitudes, College Instruction, Teacher Education, English Instruction
This monograph reviews the state of the art of training and preparing teachers to teach college-level English and suggests the kinds of changes that would improve that preparation and training.

72-333 TE
Feld, Merle; And Others **ERIC Documents on the Teaching of English--Volume 6: January-June 1971** April 1972. 38p. (Bibliography) ED 061 215 RIE July 1972 MF-$0.65; HC-$3.29
Bibliographies, English (Second Language), English Curriculum, English Education, English Instruction
Provided is a single, easily-updated source to which researchers and teachers can refer to find English-related documents available through the ERIC system.

72-334 TE
Feld, Merle, ed. **ERIC Documents on the Teaching of English--Volume 7: July-December 1971** May 1972. 37p. (Bibliography) ED 062 320 RIE August 1972 MF-$0.65; HC-$3.29
Bibliographies, English (Second Language), English Curriculum, English Education, English Instruction
This document provides a single, easily-updated source to which researchers and teachers can refer to find English-related documents available through the ERIC system.

72-335 TE
Getz, Howard G. **Paraprofessionals in the English Department** April 1972. 106p. (Monograph) ED 062 322 RIE August 1972 MF-$0.65; HC-$6.58
English Departments, English Programs, Teacher Aides, Paraprofessional School Personnel, English Education
The use of paraprofessionals in secondary school English departments in a three-state area (Illinois, Indiana, and Michigan) is determined and evaluated. Recommendations for more effective use of paraprofessionals are made. Twenty-three tables and a bibliography are included.

72-336 TE
Kirkton, Carole **NCTE/ERIC Report: Once Upon A Time...Folk Tales and Storytelling** *Elementary English*, v48 n8, pp.1024-1032, December 1971. 9p. (Journal Article)
Folklore Books, Folk Culture
The value of folk tales and storytelling in fostering children's imagination (prerequisite for literary appreciation) and in developing oral language abilities is discussed and described are several ERIC documents that provide further assistance to classroom teachers.

72-337 TE
Kirkton, Carole **NCTE/ERIC Summaries & Sources--Media Literacy: Focus on Film** *English Journal*, v60 n6, pp.831-838, September 1971. 8p. (Journal Article)
Film Study, English Instruction, Perceptual Development, Audiovisual Communication, Visual Literacy
Reviewed are current theories on the implications for English instruction of a variety of non-print media (including film) and described are several ERIC documents which provide practical guidance to film study for secondary level English teachers.

72-338 TE
Kirkton, Carole **Performance Certification: an ERIC Report** *English Education*, v3 n1, pp.25-29, Fall 1971. 5p. (Journal Article)
Educational Certification, Teacher Background, Credentials, Performance Criteria, Evaluation
Discussed is the rationale behind the development of performance-based criteria for teacher certification and indicated are some of the implications of performance certification for the preparation of teachers of English.

72-339 TE
Kirkton, Carole M., comp. **Teacher Training Films: A Guide, Pre-Service and In-Service** August 1971. 36p. (Annotated Bibliography) ED 055 081 RIE January 1972 MF-$0.65; HC-$3.29
Annotated Bibliographies, English Instruction, Student Behavior, Teacher Attitudes, Teaching Methods
A guide to sources of films and videotapes which would be useful in teaching future teachers of English is offered to trainers of teachers of English and English Education specialists.

72-340 TE
Lauter, Nancy A.; Dieterich, Daniel J. **Woman's Place in Academe** *English Education*, v3 n3, pp.169-173, Spring 1972. 5p. (Journal Article)
Womens Education, Discriminatory Attitudes (Social) [Womens Rights]
This article was written to familiarize the academic community with the nature and extent of discrimination against women in American colleges and universities by reviewing research in and editorial commentary on this area in two ERIC documents.

72-341 TE
Lundsteen, Sara W. **Listening: Its Impact on Reading and the Other Language Arts** September 1971. 145p. (State-of-the-Art Review) ED 057 030 RIE March 1972 HC-The National Council of Teachers of English, Kenyon Road, Urbana, Illinois 61801 (Stock No. 50517: 1111 $2.00)
Instructional Materials, Language Arts, Listening Skills, Teaching Techniques, Test Reviews
Aimed at the whole of the profession, but particularly at language arts teachers, supervisors, department heads, and the teachers of elementary level, this report reviews for them the state of the knowledge about listening and indicates ways this knowledge can be applied in language arts instruction, particularly in teaching reading.

72-342 TE
Madison, John P. **Innovations and the Elementary School Curriculum** *Elementary English*, v49 n3, pp.234-242, March 1972. 9p. (Journal Article)
Elementary School Curriculum, Elementary Grades, Educational Accountability, Innovation, Curriculum Planning
This article was written to review recent theory and developments in curriculum planning for the elementary grades and to describe several ERIC documents which discuss or give practical guidance on such subjects as accountability, behavioral objectives, the voucher system, various ways of staffing, environmental education, and computer-assisted instruction.

72-343 TE
Madison, John P. **Learning Disabilities** *Elementary English*, v49 n1, pp.134-141, January 1972. 8p. (Journal Article)
Learning Disabilities, Elementary School Students, Underachievers
Defined and discussed are the major categories of learning disabilities likely to be encountered in the elementary school classroom and suggested are ways to deal with them described in several ERIC documents that provide guidance to specific administrative and educational solutions.

72-344 TE
Madison, John P. **NCTE/ERIC Report: The Language Experience Approach to Teaching Reading** *Elementary English*, v48 n6, pp.682-688, October 1971. 7p. (Journal Article)
Beginning Reading, Reading Instruction, Book Reviews, Reading Programs, Language Experience Approach, Teaching Techniques
This article is designed to review, for elementary school language arts teachers and their supervisors and administrators, the historical development of the language experience approach to teaching reading, to describe the process, and to indicate its current implementation; and to describe several ERIC documents that offer further information on the subject.

72-345 TE
Madison, John P. **NCTE/ERIC Report: The Slow Learner: A Winner at Last?** *Elementary English*, v48 n7, pp.896-901, November 1971. 6p. (Journal Article)
Annotated Bibliographies, Literature Reviews, Slow Learners, Low Ability Students, Curriculum Design
Discussed are the characteristics of the "slow learner" and suggested are ways of dealing with him, ways that incorporate sound educational objectives as outlined by several ERIC documents described herein.

72-346 TE
Madison, John P. **NCTE/ERIC Summaries & Sources--Critical Thinking in the English Classroom** *English Journal*, v60 n8, pp.1133-1140, December 1971. 8p. (Journal Article)
Critical Thinking, Evaluative Thinking, Problem Solving, Literary Analysis, Programed Instruction
Current theory on the nature of the critical thinking process is reviewed; shown is how critical thinking skills can be developed in the study of language and literature, and described are several ERIC documents that offer practical guidance to the teacher of critical thinking in the English classroom.

72-347 TE
Milosh, Joseph E., Jr. **Teaching the History of the English Language in the Secondary Classroom** April 1972. 102p. (Monograph) ED 062 356 RIE August 1972 MF-$0.65; HC-$6.58
English, English Instruction, Diachronic Linguistics, Secondary Education, Teaching Techniques
Surveyed are the methods and extent of teaching the history of the language in high schools today, and suggests materials and methods for the future.

72-348 TE
Smith, Holly D. S., comp. **Class Size--Does it Make a Difference?** October 1971. 20p. (Annotated Bibliography) ED 058 210 RIE April 1972 MF-$0.65; HC-$3.29
Annotated Bibliographies, Class Size, Educational Research, Literature Reviews, English Instruction
This document was written to collect and describe documents dealing with current theory about class size and its relationship to effectiveness in classroom instruction, with the additional object of providing background information to an ad hoc committee of the NCTE Committee on Research to assist them in drafting a position statement on the subject.

72-349 TE
Smith, Holly D. S., comp.; Dieterich, Daniel J., comp. **A Selected Annotated Bibliography on Teacher Preparation and Certification** October 1971. 19p. (Annotated Bibliography) ED 058 208 RIE April 1972 MF-$0.65; HC-$3.29
Annotated Bibliographies, Data Collection, English Instruction, Teacher Certification, Teacher Education
Prepared especially for the NCTE Advisory Council and for an NCTE Affiliate's meeting at the annual NCTE convention, this Task Focus Report collects and describes documents dealing with current theory about teacher preparation and certification and its relationship to effective teaching and the teacher's role in a changing society.

72-350 TE
Thiess, Carolyn W., ed.; Kirkton, Carole M., ed. **ERIC Documents on the Teaching of English, Volume 5: July-December 1970** August 1971. 73p. (Index) ED 056 026 RIE February 1972 MF-$0.65; HC-$3.29
Bibliographies, English (Second Language), English Curriculum, English Instruction, TENL
This document is designed to provide a single, easily-updated source to which researchers and teachers can refer to find English-related documents available through EDRS and to find journal articles which have been indexed in CIJE.

72-351 TE
Turner, Darwin T.; Stanford, Barbara Dodds **Theory and Practice in the Teaching of Literature by Afro-Americans** December 1971. 106 p. (State-of-the-Art Review) ED 057 062 RIE March 1972 MF-$0.65; HC-$6.58
Curriculum Design, English Curriculum, Literature Programs, Negro Literature, Teaching Techniques
Aimed at secondary English teachers and their supervisors as well as teachers of methods courses for future English teachers, this paper is intended to stimulate the use of meaningful minority literature in the classroom by surveying the extent to which black literature is being used in the teaching of English and by showing what is available and how it can best be used.

72-352 TM
Test Bias: A Bibliography June 1971. (Bibliography) ED 051 312 RIE September 1971 MF-$0.65; HC-$3.29
Bibliographies, Minority Groups, Personnel Selection, Social Discrimination, Test Bias
This bibliography, which lists selected articles, research reports, monographs, books, and reference works, is limited to material which deals directly with the question of test bias. References listed cover the period from 1945 to the present and are grouped under two main headings: General Educational References and Employment References.

72-353 TM
Boyd, Joseph L., Jr.; Shimberg, Benjamin **Developing Performance Tests for Classroom Evaluation** June 1971. 17p. (Paper) ED 052 259 RIE October 1971 MF-$0.65; HC-$3.29
Evaluation Techniques, Performance Criteria, Performance Tests, Test Construction
The importance of measuring performance and the advantages of using performance tests are discussed. Developing the test involves identifying the objectives to be measured, the task to be performed, and the time required for its performance. Finally, the factors involved in grading the performance test are detailed, including a discussion of the relative importance of product and process evaluations.

72-354 TM
Bryan, Miriam M. **Ability Grouping: Status, Impact and Alternatives** June 1971. 15p. (Paper) ED 052 260 RIE October 1971 MF-$0.65; HC-$3.29
Ability Grouping, Academic Achievement, Educational Improvement, Grouping Procedures, Standardized Tests
It is contended that ability grouping results in a trend toward improved achievement in superior groups and poorer achievement in the average or low groups. In addition, it tends to reinforce favorable self concepts in those assigned to high achievement groups and unfavorable self concepts in those assigned to low achievement groups. In view of the apparent inadequacies of present grouping practices, alternative strategies are recommended.

72-355 TM
Campbell, Paul B.; Beers, Joan S. **1971 AERA Conference Summaries--I. Evaluation: The State of the Art** *TM Report Number 11*, January 1972. 17p. (Conference Report) ED 060 043 RIE June 1972 MF-$0.65; HC-$3.29
Conference Reports, Evaluation, Evaluation Methods, Evaluation Techniques, Measurement Techniques [American Educational Research Association]
Twenty-six papers on evaluation, which were presented at the 1971 American Educational Research Association Convention, are summarized. The papers range from a general overview of evaluation concepts to quite specific evaluative applications. A group of reports concerning state assessment efforts in Florida and Michigan is given separate treatment. A list of additional, related references is included.

72-356 TM
Davis, Frederick B. **1971 AERA Conference Summaries: II. Criterion Referenced Measurement.** *TM Report Number 12*, March 1972. 20p. (Conference Report) ED 060 134 RIE June 1972 MF-$0.65; HC-$3.29
Conference Reports, Criterion Referenced Tests, Literature Reviews, Test Construction, Tests
Thematic summaries of those papers from the 1971 annual meeting of the AERA dealing specifically with criterion-referenced measurement are presented. An evaluative commentary by the writer is also included.

72-357 TM
Dyer, Henry S.; Rosenthal, Elsa **State Educational Assessment Programs: An Overview** December 1971. 13p. (Report) ED 058 309 RIE April 1972 MF-$0.65; HC-$3.29
Educational Objectives, Program Evaluation, State Programs, State Surveys, Testing Programs
This is an edited version of the overview chapter from a report on a 1971 survey of state educational assessment programs. The procedures used in carrying out the survey are described, and a number of major trends in the approach to state assessment are discussed. Finally, some of the more important problems encountered by the states in their assessment efforts are outlined.

72-358 TM
Ebel, Robert L. **1971 AERA Conference Summaries: IV. Test Development, Interpretation, and Use** *TM Report Number 14*, 17p. (Conference Report) ED 060 135 RIE June 1972 MF-$0.65; HC-$3.29
Creativity Tests, Performance Factors, Testing, Test Construction, Test Validity [American Educational Research Association]
Presented is a thematic summary of the AERA papers dealing with test development, interpretation, and use, presented at the 1971 meeting in New York City. Papers were grouped into the following categories: test development and validation; inventory development and validation; measurement of creativity; factors in test performance; use of tests to measure status or change; use of tests to predict; and use of tests to foster learning.

72-359 TM
Guthrie, P.D. **Measures Pertaining to Health Education: I. Smoking. An Annotated Bibliography** *TM Report Number 8*, January 1972. 20p. (Annotated Bibliography) ED 060 042 RIE June 1972 MF-$0.65; HC-$3.29
Annotated Bibliographies, Health Education, Smoking, Tests, Tobacco
Described are instruments pertaining to smoking attitudes, behaviors, knowledge, and correlates. Information concerns test purpose, intended groups, test subdivisions, administration, scoring, interpretation, and standardization.

72-360 TM
Keller, Claudia M. **Criterion Referenced Measurement: A Bibliography** *TM Report Number 7*, January 1972. 14p. (Bibliography) ED 060 041 RIE June 1972 MF-$0.65; HC-$3.29
Bibliographies, Criterion Referenced Tests, Literature Reviews, Test Reviews, Measurement Techniques, Test Selection
Listed are selected articles, research reports, monographs, books, and reference works related to criterion-referenced measurement. It is limited primarily to material which deals directly with criterion-referenced tests and testing procedures, and includes reports on computer-assisted test construction and the adaptation of criterion-referenced tests to individualizing learning and instruction. References listed cover the period from 1965 to the present.

72-361 TM
Penfield, Douglas A. **1971 AERA Conference Summaries: III. Educational Statistics** *TM Report Number 13*, March 1972. 21p. (Conference Report) ED 060 133 RIE June 1972 MF-$0.65; HC-$3.29
Factor Analysis, Multiple Regression Analysis, Research Methodology, Research Reviews (Publications), Statistical Analysis [American Educational Research Association]
Thirty-four papers on educational statistics which were presented at the 1971 AERA Conference are summarized. Six major interest areas are covered: (a) general information; (b) non-parametric methods; (c) errors of measurement and correlation techniques; (d) regression theory; (e) univariate and multivariate analysis; (f) factor analysis.

72-362 TM
Rosen, Pamela **Tests of Basic Learning for Adults: An Annotated Bibliography** November 1971. 21p. (Annotated Bibliography) ED 058 274 RIE April 1972 MF-$0.65; HC-$3.29
Achievement Tests, Adult Basic Education, Adult Learning, Annotated Bibliographies, Aptitude Tests
Brief annotations of currently available basic learning tests, which were either specifically designed for adults or modified for use with adults, are presented. Information given for each measure includes author; source; purpose; nature of the materials; groups for which it is intended; information on administration, scoring, interpretation, standardization, and availability of norms; and reliability and validity data.

72-363 TM
Swineford, Frances **1971 AERA Conference Summaries: Innovations in Measurement** *TM Report Number 15*, January 1972. 12p. (Conference Report) ED 060 044 RIE June 1972 MF-$0.65; HC-$3.29
Classroom Techniques, Conference Reports, Innovation, Measurement Instruments, Measurement Techniques [American Educational Research Association]
Seventeen 1971 AERA presentations concerning new measurement procedures or new application of old procedures are summarized. Papers are grouped as follows: 1) statistics and measurements of interest to classroom teachers; 2) measures appropriate for use by a specialist; 3) research reports that increase knowledge of existing devices.

72-364 UD
Barabas, Jean; Jayatilleke, Raja **Directory of Information Sources on the Disadvantaged** *ERIC-IRCD Urban Disadvantaged Series, Number 25*, November 1972. 65p. (Directory) ED 058 328 RIE April 1972 MF-$0.65; HC-$3.29
Directories, Information Sources, Disadvantaged Groups, Publications, Annotated Bibliographies
Listing is arranged in two sections. Section I is on the Federal Government educational information sources serving the public, such as ERIC, regional educational laboratories, research and development centers, and the like. Section II, the private and semi-private sectors, deals with service agencies, professional organizations, research and development agencies, libraries, and foundations.

72-365 UD
Duphiney, Lorna **Oriental-Americans: An Annotated Bibliography** *ERIC-IRCD Urban Disadvantaged Series, Number 26*, February 1972. 29p. (Annotated Bibliography) ED 060 136 RIE June 1972 MF-$0.65; HC-$3.29
Japanese Americans, Ethnic Studies, Chinese Americans, Annotated Bibliographies, Disadvantaged Youth
Dealt with is material published since 1960 relating to Japanese-Americans and Chinese-Americans; focused on are articles about social, economic, and educational development of the two groups. Regarding geographic location, items listed initially focus on Orientals in their homelands, and later turn to Oriental and American comparisons, and lastly to Orientals living in the U.S.

72-366 UD
Goldberg, Gertrude S. **Deschooling and the Disadvantaged: The Implications of the Illich Proposals** *IRCD Bulletin*, v7 n5, November 1971. 12p. (Paper) ED 064 421 RIE October 1972 MF-$0.65; HC-$3.29
Social Change, Disadvantaged Youth, Public Education, School Attendance Laws, Education Vouchers, Equal Education
Presented is a critique of Ivan Illich's proposal "to liberate the learner from the unnatural control of prescriptive and compulsory schooling" by disestablishing the public schools. It suggests that attempts should be made to determine the educational effects of partial deschooling, in order to cease justifying educational freedom solely by declaring it an "inalienable right."

72-367 UD
Jablonsky, Adelaide **Directory of Compensatory Education Programs** *IRCD Bulletin*, v7 n3, Summer 1971. 24p. (Directory) ED 059 307 RIE May 1972 MF-$0.65; HC-$3.29
Curriculum Development, Program Development, Directories, Compensatory Education Programs, Program Length
Listed are the most successful or promising programs in the area of compensatory education. Information was obtained through a questionnaire sent to 350 persons representing heads of agencies dealing with education throughout the nation. Programs are listed by state and city. The longevity of each program is indicated.

72-368 UD
Jablonsky, Adelaide **Status Report on Compensatory Education** *IRCD Bulletin*, v7 n1 and n2, Winter-Spring 1971. 23p. (Report) ED 056 133 RIE February 1972 MF-$0.65; HC-$3.29
Compensatory Education, Compensatory Education Programs, School Integration
The subject of this issue is the status of compensatory education. Past programs are reviewed, and new effective programs are described. Field reports on various local school integration programs are presented, including programs in Pontiac, Michigan; Ypsilanti, Michigan; and the South.

72-369 UD
Jayatilleke, Raja **Human Relations in the Classroom: An Annotated Bibliography; Supplement 1** *ERIC-IRCD Urban Disadvantaged Series, Number 28*, June 1972. 102p. (Annotated Bibliography) ED 064 417 RIE October 1972 MF-$0.65; HC-$6.58
Classroom Environment, Human Relations, Race Relations, Teacher Attitudes, Student Attitudes
This annual supplement to the first bibliography on human relations in the classroom covers the period April-December 1971 for items announced in RIE, and May-December 1971 for journal articles cited. Items cited deal with such issues as race relations, social attitudes, self-concept, social influences, cultural differences, psychological identification, and ethnic studies.

72-370 UD
Mills, Nicolaus **Busing: Who's Being Taken for a Ride** *ERIC-IRCD Urban Disadvantaged Series, Number 27*, June 1972. 25p. (Literature Review) ED 063 431 RIE September 1972 MF-$0.65; HC-$3.29
Political Issues, School Integration, Integration Methods, Educational Equality, Bus Transportation
Reviewed is the extant literature on busing, listing "myths and fictions" surrounding the current crisis over busing in an attempt to put the issue in perspective. Presents the view that the heart of the busing issue is not the problem of transportation but a national commitment to equality of opportunity for all.

72-371 UD
Mills, Nicolaus **Free Versus Directed Schools: Benefits for the Disadvantaged?** *IRCD Bulletin*, v7 n4, September 1971. 12p. (Paper) ED 059 342 RIE May 1972 MF-$0.65; HC-$3.29
Educational Philosophy, Classroom Design, Disadvantaged Youth, Educational Theories, Educational Practice
Analyzed are 12 schools in terms of a range from the most directed classroom to the freest. All of the programs proved successful in varying degrees and they have been chosen because they indicate the broad range of free and directed programs for disadvantaged children of all ages.

72-372 UD
Mills, Nicolaus **Schools and the Disadvantaged: A study in Political Strategy** *ERIC-IRCD Urban Disadvantaged Series, Number 24*, August 1971. 53p. (Monograph) ED 054 269 RIE December 1971 MF-$0.65; HC-$3.29
Community Control, Disadvantaged Youth, Political Issues, School Integration, Urban Education
Focused on is the politics of public education for the disadvantaged. Specifically, an attempt is made to describe the conditions under which the disadvantaged have sought to change the public schools by adopting one of two political strategies--integration or community control.

72-373 UD
Passow, A. Harry **Research and Development in Compensatory Education Abroad** *ERIC-IRCD Urban Disadvantaged Series, Number 23*, July 1971. 64p. (Report) ED 052 265 RIE October 1971 MF-$0.65; HC-$3.29
Comparative Education, Compensatory Education, Educational Change, Educational Development, Educationally Disadvantaged
In most countries in the world, the democratization of education is a major concern of educational and social planners. This report reviews and briefly describes research and development programs in countries other than the United States. The patterns being followed generally parallel activities in the U.S. "Disadvantaged" groups tend to be those of racial or ethnic minority group status, immigrants and inmigrants, and those of low socioeconomic or improverished status.

72-374 VT
Abstracts of Instructional Materials in Vocational and Technical Education (AIM), Fall 1971 123p. (Abstract Journal) ED 055 251 RIE January 1972 MF-$0.65; HC-$6.58
Abstracts, Indexes (Locaters), Instructional Materials, Technical Education, Vocational Education
Announced is the availability of instructional materials acquired and processed by the Educational Resources Information Center Clearinghouse on Vocational and Technical Education. It should be of particular interest to teachers, curriculum specialists, supervisors, and administrators. Author, subject, and document number indexes provide entry to the abstracts.

72-375 VT
Abstracts of Instructional Materials in Vocational and Technical Education (AIM), Spring 1971 159p. (Abstract Journal) ED 052 382 RIE October 1971 MF-$0.65; HC-$6.58
Annotated Bibliographies, Instructional Materials, Technical Education, Vocational Education
Announced is the availability of instructional materials acquired and processed by the Educational Resources Information Center Clearinghouse on Vocational and Technical Education. It should be of particular interest to teachers, curriculum specialists, supervisors, and administrators. An author index, document number index, and subject indexes are provided.

72-376 VT
Abstracts of Instructional Materials in Vocational and Technical Education (AIM), Summer 1971 154p. (Abstract Journal) ED 053 336 RIE November 1971 MF-$0.65; HC-$6.58
Annotated Bibliographies, Instructional Materials, Technical Education, Vocational Education
The availability of instructional materials acquired and processed by the Educational Resources Information Center Clearinghouse on Vocational and Technical Education is announced. It should be of particular interest to teachers, curriculum specialists, supervisors, and administrators involved in curriculum development or the use of instruction materials in the teaching-learning setting.

72-377 VT
Abstracts of Instructional Materials in Vocational and Technical Education (AIM), Volume 5, Number 1 1972. 111p. (Abstract Journal) ED 059 408 RIE May 1972 MF-$0.65; HC -$6.58
Abstracts, Indexes (Locaters), Instructional Materials, Technical Education, Vocational Education
This quarterly publication announces the availability of instructional materials acquired and processed by the ERIC Clearinghouse on Vocational and Technical Education. It should be of particular interest to teachers, curriculum specialists, supervisors, and administrators involved in curriculum development or the use of instructional materials in the teaching-learning setting.

72-378 VT
Abstracts of Instructional Materials in Vocational and Technical Education (AIM), Volume 5, Number 2 1972. 116p. (Abstract Journal) ED 062 570 RIE August 1972 MF-$0.65; HC-$6.58
Abstracts, Instructional Materials, Vocational Education, Technical Education, Indexes (Locaters)
Announced is the availability of instructional materials acquired and processed by the ERIC Clearinghouse on Vocational and Technical Education. It should be of particular interest to teachers, curriculum specialists, supervisors and administrators involved in curriculum development or the use of instructional materials in the teaching-learning setting.

72-379 VT
Abstracts of Instructional Materials in Vocational and Technical Education and Abstracts of Research and Related Materials in Vocational and Technical Education; Annual Index, 1970-71 1971. 701p. (Abstract Journal Index) ED 057 257 RIE March 1972 MF-$0.65; HC-$26.32 HC is also available from The Center for Vocational and Technical Education, The Ohio State University, 1900 Kenny Road, Columbus, Ohio 43210 (Quarterly--one year $11.00, two years $18.00)
Bibliographics, Educational Research, Indexes (Locaters), Instructional Materials, Vocational Education
Provided are the combined cumulative indexes to the five issues of "Abstracts of Instructional Materials in Vocational and Technical Education" (AIM) and "Abstracts of Research and Related Materials in Vocational and Technical Education" (ARM) published Fall 1970 -Fall 1971. Researchers, supervisors, teacher educators, education specialists, administrators, and teachers may use this document as a tool in searching by author or by subject for materials acquired and processed by the ERIC Clearinghouse on Vocational and Technical Education.

72-380 VT
Abstracts of Research and Related Materials in Vocational and Technical Education (ARM), Fall 1971 1971. 214p. (Abstract Journal) ED 057 216 RIE March 1972 MF-$0.65; HC-$9.87
Abstracts, Educational Research, Indexes (Locaters), Technical Education, Vocational Education
Announced is the availability of documents acquired and processed by the ERIC Clearinghouse on Vocational and Technical Education. It contains abstracts of research and other materials, and covers such subject areas as: administration and supervision, employment and occupations, individuals with special needs, research design, development and utilization and related research topics.

72-381 VT
Abstracts of Research and Related Materials in Vocational and Technical Education (ARM), Spring 1971 258p. (Abstract Journal) ED 051 433 RIE September 1971 MF-$0.65; HC-$9.87
Annotated Bibliographies, Educational Research, Technical Education, Vocational Education
The availability of documents acquired and processed by the ERIC Clearinghouse on Vocational and Technical Education is announced. It contains abstracts of research and other materials which are useful to those who have an interest in vocational and technical education. Documents which to not have an individual ED number are available in a separate microfiche set from the ERIC Document Reproduction Service.

72-382 VT
Abstracts of Research and Related Materials in Vocational and Technical Education (ARM), Summer 1971 246p. (Abstract Journal) ED 054 381 RIE December 1971 MF-$0.65; HC-$9.87
Abstracts, Clearinghouses, Educational Research, Technical Education, Vocational Education
This quarterly publication announces the availability of documents acquired and processed by the Educational Resources Information Center Clearinghouse on Vocational and Technical Education. It contains abstracts of research and other materials which are useful to researchers, supervisors, teacher educators, education specialists, administrators, teachers, and others who have an interest in vocational and technical education.

72-383 VT
Abstracts of Research and Related Materials in Vocational and Technical Education (ARM), Volume 5, Number 1 1972. 385p. (Abstract Journal) ED 060 222 RIE June 1972 MF-$0.65; HC-$13.16
Abstracts, Indexes (Locaters), Educational Research, Vocational Education, Technical Education
The availability of documents acquired and processed by the ERIC Clearinghouse on Vocational and Technical Education is announced. It contains abstracts of research and other materials on such subject areas as: administration and supervision, employment and occupations, individuals with special needs, research design, development and utilization, and related research topics.

72-384 VT
Abstracts of Research Materials in Vocational and Technical Education (ARM), Volume 5, Number 2 1972. 385p. (Abstract Journal) ED 063 480 RIE September 1972 MF-$0.65; HC-$13.16
Abstracts, Indexes (Locaters), Educational Research, Vocational Education, Technical Education
This quarterly publication announces the availability of documents acquired and processed by the ERIC Clearinghouse on Vocational and Technical Education. It contains abstracts of research and other materials on such subjects as: administration and supervision, employment and occupations, individuals with special related research topics.

72-385 VT
Agricultural Education--Instructional Materials 1972. 451p. (Bibliography) ED 062 571 RIE August 1972 MF-$0.65; HC-$16.45
Instructional Materials, Abstracts, Resource Guides, Agricultural Education, Indexes (Locaters)
This compilation presents over 950 resumes of instructional materials in agricultural education, which have appeared quarterly in "Abstracts of Instructional Materials in Vocational and Technical Education" (AIM), Fall 1967 through Fall 1971. Resumes cover a broad range of fields and occupations, such as agribusiness, agronomy, animal and plant sciences, farm mechanics, floriculture, and off-farm agricultural occupations.

72-386 VT
Business and Office Education--Instructional Materials 1972. 128p. (Bibliography) ED 063 505 RIE September 1972 MF-$0.65; HC-$6.58
Instructional Materials, Abstracts, Resource Guides, Business Education, Indexes (Locaters)
Listed are over 200 resumes of instructional materials in business and office education, which have appeared quarterly in "Abstracts of Instructional Materials in Vocational and Technical Education" (AIM), Fall 1967 through Fall 1971. Resumes cover a broad range of fields and occupations such as accounting, bookkeeping, business administration, office management, recordkeeping, and stenography.

72-387 VT
Distributive Education--Instructional Materials 1972. 150p. (Bibliography) ED 062 576 RIE August 1972 MF-$0.65; HC-$6.58
Distributive Education, Abstracts, Instructional Materials, Indexes (Locaters), Resource Guides
Over 250 resumes of instructional materials in distributive education are presented, which have appeared quarterly in "Abstracts of Instructional Materials in Vocational and Technical Education" (AIM), Fall 1967 through Fall 1971. Resumes cover a broad range of fields and occupations, such as commercial art, cooperative education, credit, exhibits, marketing and salesmanship.

72-388 VT
Health Occupations Education--Instructional Materials 1972. 100p. (Bibliography) ED 062 575 RIE August 1972 MF-$0.65; HC-$3.29
Health Occupations Education, Resource Guides, Abstracts, Instructional Materials, Indexes (Locaters)
Presented are over 150 resumes of instructional materials in health occupations education which have appeared quarterly in "Abstracts of Instructional Materials in Vocational and Technical Education" (AIM), Fall 1967 through Fall 1971. Resumes cover a broad range of fields and occupations, such as dentistry, dietetics, nursing, paramedical occupations, health personnel, and pharmacy.

72-389 VT
Home Economics Education--Instructional Materials 1972. (Bibliography) ED 063 487 RIE September 1972 MF-$0.65; HC-$6.58
Instructional Materials, Abstracts, Resource Guides, Home Economics Education, Indexes (Locaters)
Over 300 resumes of instructional materials in home economics education are listed, which have appeared quarterly in "Abstracts of Instructional Materials in Vocational and Technical Education" (AIM), Fall 1967 through Fall 1971. Resumes cover a wide range of fields and occupations, such as child care occupations, consumer education, home management, interior design, and homemaking education.

72-390 VT
Industrial Arts Education--Instructional Materials 1972. 108p. (Bibliography) ED 062 577 RIE August 1972 MF-$0.65; HC-$6.58
Industrial Arts, Abstracts, Instructional Materials, Resource Guides, Indexes (Locaters)
Presented are over 200 resumes of instructional materials in industrial arts which have appeared quarterly in "Abstracts of Instructional Materials in Vocational and Technical Education" (AIM), Fall 1967 through Fall 1971. Resumes cover a broad range of fields and occupations, such as cabinetmaking, construction drafting, electronics, graphic arts, power mechanics, and woodworking.

72-391 VT
Trade and Industrial Education--Instructional Materials 1972. 546p. (Bibliography) ED 062 572 RIE August 1972 MF-$0.65; HC-$19.74
Trade and Industrial Education, Abstracts, Resource Guides, Instructional Materials, Indexes (Locaters)
This compilation presents over 1,150 resumes of instructional materials in trade and industrial education, which have appeared quarterly in "Abstracts of Instructional Materials in Vocational and Technical Education" (AIM), Fall 1967 through Fall 1971. Resumes cover a broad range of fields and occupations, such as apprenticeships, building design and trades, cooks, cosmetology, industrial technology, and metalworking.

72-392 VT
Beasley, Gary; Smiley, James **Occupational Experience for Vocational Education Teachers: A Handbook for Teacher Educators** *Information Series Number 40.* June 1971. 27p. (Paper) ED 060 174 RIE June 1972 MF-$0.65; HC-$3.29
Vocational Education Teachers, Teacher Education, Guidelines, School Industry Relationship, Cooperative Programs
To help teacher educators develop cooperative programs with industry so they may provide occupational experience programs for present and prospective teachers is the purpose of this paper. Special attention was directed toward a review of existing programs, the development of guidelines for future program development, areas of concern, and alternative approaches.

72-393 VT
Berry, Suzanne **Establishing a Training Program for Child Care Workers: A Guide for Teachers** December 1971. 52p. (Guide) ED 058 392 RIE April 1972 MF-$0.65; HC-$3.29
Child Care Workers, Guidelines, Job Training, Occupational Home Economics, Program Development
The critical shortage of child care personnel trained to work with children from infancy through adolescence, calls for the creation of training programs at the subprofessional level. Intended for the day care and child welfare agency personnel, teachers, and others interested in training child care workers, this publication offers guidelines for use in establishing such programs at the secondary, post-secondary, or adult training level.

72-394 VT
Bjorkquist, David **What Vocational Education Teachers Should Know About Individualizing Instruction** November 1971. 15p. (Paper) ED 057 184 RIE March 1972 MF-$0.65; HC-$3.29
Educational Objectives, Individualized Instruction, Learning Processes, Student Characteristics, Vocational Education
Classroom objectives, characteristics of the learner, and the learning process are the focal points of this publication. Although there will continue to be considerable trial and error in individualizing instruction, the vocational teacher can use the following general guidelines: (1) the task to be learned should be divided, (2) the instructional program should begin at a point commensurate with the learner's capabilities, and (3) principles by which individuals learn should be used in planning individualized instruction.

72-395 VT
Boss, Richard **What School Administrators Should Know About Vocational Education for Disadvantaged Youth in Urban Areas** July 1971. 29p. (Guide) ED 059 350 RIE December 1971 MF-$0.65; HC-$3.29
Administrator Guides, Disadvantaged Youth, Educational Programs, Urban Schools, Vocational Education
Described are the special problems of the disadvantaged and the administrative procedures required in programs for the disadvantaged. Existing programs are described to illustrate exemplary practices and procedures for program design, development, and administration. The special problems of guidance counseling, financial assistance, residential support, and health services are considered.

72-396 VT
Budke, Wesley E.; Magisos, Joel H. **Answers to Questions on Vocational Education: Administration, Opinion Leaders, Residential Schools, and State Advisory Councils** 8p. (Booklet) ED 057 232 RIE March 1972 MF-$0.65; HC-$3.29
Advisory Committees, Educational Innovation, Program Administration, Residential Schools, Vocational Education
Contained are questions and answers concerning aspects of vocational-technical education, including the (1) skills and expertise requirements for program administrators (2) identification of opinion leaders, (3) adoption of an innovation (4) role of residential schools, and (5) membership and responsibilities of state advisory councils.

72-397 VT
Budke, Wesley E.; Magisos, Joel H. **Answers to Questions on Vocational Education; Cooperative Education, Cost-Effectiveness, Curriculum Development; Occupational Exploration, Placement and Follow-Up and Programs for Rural Areas** 8p. (Booklet) ED 057 233 RIE March 1972 MF-$0.65; HC-$3.29
Cooperative Education, Cost Effectiveness, Curriculum Development, Vocational Education, Vocational Followup, Occupational Exploration
This short booklet contains questions and answers concerning aspects of vocational-technical education, including (1) satisfying student needs through cooperative education, (2) skill and ability requirements, (3) economic feasibility, (4) improving rural education, (5) characteristics of a career oriented school curriculum, and (6) increasing program effectiveness.

72-398 VT
Campbell, Robert E.; Vetter, Louise **Career Guidance: An Overview of Alternative Approaches** August 1971. 21p. (Report) ED 057 183 RIE March 1972 MF-$0.65; HC-$3.29
Career Planning, Occupational Guidance, Program Planning, Vocational Education, Career Development
The compact nature of the review provides a ready reference for practitioners seeking alternative delivery systems for accomplishing career development. Alternative approaches which received special attention are: (1) occupational exploration, (2) the developmental (K-14) approach, (3) systems approaches, and (4) computer-assisted approaches. Also included is a discussion of considerations and recommendations based on extrapolations of current and future options.

72-399 VT
Feck, Vincent **What Vocational Education Teachers and Counselors Should Know About Urban Disadvantaged Youth** October 1971. 47p. (Literature Review) ED 059 351 RIE December 1971 MF-$0.65; HC-$3.29
Counselor Role, Disadvantaged Youth, Guidelines, Teacher Role, Vocational Education
The compact nature of the review and its organization into guideline format should provide a ready reference for the practitioner seeking to improve his instruction. Major sections include: (1) Characteristics of Urban Disadvantaded Youth and Their Environment, (2) Guidance and Counseling, (3) Curriculum Design and Content, (4) Teaching Techniques, (5) Teacher Characteristics, and (6) Placement of Students.

72-400 VT
Fibel, Lewis R. **Review and Synthesis of Literature on Occupational Preparation in the Community College** 1972. 81p. (State-of-the-Art Review) ED 061 416 RIE July 1972 MF-$0.65; HC-$3.29
Technical Education, Community Colleges, College Curriculum, College Role, Research Reviews (Publications)
The role of community colleges in occupational education is examined in terms of methods of operation and extent of offering. Occupational preparation at the secondary school level is insufficient, which puts a heavier responsibility on the community college. Literature on entrance requirements and characteristics of enrolling students, curriculum, administration, and methods of instruction are all discussed. The author includes his recommendations for needed additional research, and an extensive bibliography.

72-401 VT
Hale, James A. **A Review and Synthesis of Research on Management Systems for Vocational and Technical Education** 1971. 183p. (State-of-the-Art Review) ED 062 505 RIE August 1972 MF-$0.65; HC-$6.58
Vocational Education, Educational Administration, Management Systems, Management Development, Research Reviews (Publications)
Tested management concepts and systems are needed for vocational and technical education. This publication assists in identifying substantive problems, methodological approaches, alternative solutions, and needed research and development in the areas of data and management systems, subsystems, and procedures.

72-402 VT
Herr, Edwin L. **Review and Synthesis of Foundations for Career Education. Preliminary Edition** 1972. 85p. (Literature Review) ED 059 402 RIE May 1972 MF-$0.65; HC-$3.29
Educational Philosophy, Literature Reviews, Research Needs, Career Education
To identify conceptual elements and trends leading to career education so that assumptions which the term represents are clear to program developers and decision-makers, an analysis was made of available historical, philosophical, conceptual, and theoretical literature. The analysis offers substantiation that the antecedents of career education reside in both vocational education and guidance. A review of existing projects reveals that only a few meet the levels of integration, synthesis, or longitude not expected of career education.

72-403 VT
Householder, Daniel L. **Review and Evaluation of Curriculum Development in Industrial Arts Education** *Information Series Number 53,* 1971. 61p. (State-of-the-Art Review) ED 060 175 RIE June 1972 MF-$0.65; HC-$3.29
Industrial Arts, Educational Innovation, Curriculum Development, Research Reviews (Publications), Industrial Education
Explored, analyzed, and compared are curriculum development efforts in industrial arts and suggested are priorities for future development, dissemination, and research activities. Materials presently available vary from philosophical guidelines for adaptation by the teacher, to highly specific text materials and laboratory manuals, available commercially. Problem areas of research, development, and dissemination are identified by the author.

72-404 VT
Impellitteri, Joseph T.; Finch, Curtis R. **Review and Synthesis of Research on Individualizing Instruction on Vocational and Technical Education** July 1971. 90p. (Literature Review) ED 058 389 RIE April 1972 MF-$0.65; HC-$3.29
Educational Development, Individualized Instruction, Research Reviews (Publications), Technical Education, Vocational Education
In this review, research and development materials identified through a computer search of materials in the Educational Resources Information Center (ERIC), are grouped according to this framework. Studies relating to the instructional component are located throughout the sections.

72-405 VT
Kidder, David E. **Review and Synthesis of Research on Manpower Forecasting for Vocational-Technical Education** 76p. (State-of-the-Art Review) ED 060 183 RIE June 1972 MF-$0.65; HC-$3.29
Vocational Education, Models, Systems Approach, Manpower Needs, Research Reviews (Publications)
Designed to assist vocational education program planners as well as researchers in making manpower projections, this report attempts to sort out and classify forecasts and their underlying models. No one model clearly boasts more advantages than any other. However, the author stated a preference for the Occupational Training Information System (OTIS) approach which, for forecasting at the state level, has definite advantages as a total systems approach.

72-406 VT
Lockette, Rutherford E.; Davenport, Lawrence F. **Review and Synthesis of Research on Vocational Education for the Urban Disadvantaged** November 1971. 53p. (Literature Review) ED 058 391 RIE April 1972 MF-$0.65; HC-$3.29
Disadvantaged Groups, Educational Programs, Research Reviews (Publications), Urban Environment, Vocational Education
Researchers and practitioners should find this publication useful in identifying substantive problems, methodological approaches, and applicable research findings. Major sections of the document include: (1) Historical Perspective, (2) Rationale For and Characteristics, (3) Research on Vocational Education Programs, (4) Evaluation and Discussion of the Research Efforts, and (5) Important Considerations in Developing and Operating Vocational Education Programs for the Disadvantaged.

72-407 VT
Malinski, Joseph F. **Planning Techniques for Local Programs of Vocational Education** 1972. 32p. (State-of-the-Art Review) ED 062 518 RIE August 1972 MF-$0.65; HC-$3.29
Vocational Education, Program Planning, Educational Policy, Management Information Systems
A synthesis of the development of educational management practices, with the aim of improving communications among the various institutions providing vocational programs at the local level and the agencies providing program support at local, state, and national levels is presented.

72-408 VT
McCracken, J. David; Magisos, Joel H. **Answers to Questions on Vocational Education; Curriculum Planning--Metalworking, Environmental Control, Public Services, Construction, Food Processing and Distribution, Health, and Transportation** 8p. (Booklet) ED 057 231 RIE March 1972 MF-$0.65; HC-$3.29
Curriculum Development, Occupations, School Industry Relationship, Vocational Education
Contained are questions and answers concerning aspects of vocational-technical education, including (1) information needed when curriculum for a new occupation is initiated, (2) importance of cooperating with business and industry in program development, (3) making education responsive to emerging job requirements, and (4) examples of new occupations. The publications from which these answers were drawn review and synthesize research in the field.

72-409 VT
Nowrasteh, Daryush M. **Planning and Management Systems for State Programs of Vocational and Technical Education: An Application Research** 1971. 40p. (Literature Review) ED 059 353 RIE December 1971 MF-$0.65; HC-$3.29
Management Systems, Program Administration, Program Planning, State Programs, Vocational Education
This Literature Review provides a ready reference for the practitioner seeking to develop and improve management systems for vocational education in his state. Major sections include: (1) Systems and Systems Analysis, (2) Management by Objectives; (3) Operations Research; (4) Program Evaluation and Review Technique and Critical Path Method; (5) Planning, Programming, Budgeting Systems; (6) Management Information Systems; and (7) Performance Indicators.

72-410 VT
Oaklief, Charles **Review and Synthesis of Research on Vocational and Technical Education for the Rural Disadvantaged** August 1971. 49p. (Literature Review) ED 058 390 RIE April 1972 MF-$0.65; HC-$3.29
Disadvantaged Groups, Educationally Disadvantaged, Literature Reviews, Rural Areas, Vocational Education
Legislation and social concern have given new focus to meeting the special needs of the disadvantaged. Identified are the substantive problems and methodological approaches for researchers interested in the solution of rural problems. Practitioners are provided with a summary of research findings that have application to educational programs in rural areas. This publication reviews the educational disadvantagement of rural people as influenced by socioeconomic and other factors with reference to the accomplishments of vocational and technical education. Covered are pre-vocational to adult, and continuing education for the rural disadvantaged.

72-411 VT
Sjogren, Douglas **Review and Synthesis of Research on Occupational Adaptability** July 1971. 34p. (State-of-the-Art Review) ED 057 182 RIE March 1972 MF-$0.65; HC-$3.29
Literature Reviews, Occupational Clusters, Research Reviews (Publications), Vocational Education
This state-of-the-art paper should assist in identifying substantive problems and methodological approaches for researchers and curriculum development specialists as well as providing practitioners with a summary of research findings that have application to educational programs. Research is categorized by: (1) Occupational Adaptability Studies, (2) Job Analysis, (3) Curriculum-Oriented Work, (4) Work Adjustment, and (5) Critique.

72-412 VT
Walker, Robert W. **What Vocational Education Teachers Should Know About Disadvantaged Youth in Rural Areas** October 1971. 29p. (Literature Review) ED 059 352 RIE December 1971 MF-$0.65; HC-$3.29
Disadvantaged Youth, Guidelines, Rural Areas, Vocational Education
This "state-of-the-art" paper should serve as a guideline for teachers concerned with the development of programs at the local level to meet the needs of students identified as academically disadvantaged. The paper focuses on rural academically disadvantaged students, the factors which contribute to their maladjustment, and their personal characteristics.

72-413 VT
Wall, James E. **Review and Synthesis of Strategies for Effecting Change in Vocational and Technical Education** 1972. 64p. (State-of-the-Art Review) ED 062 512 RIE August 1972 MF-$0.65; HC-$3.29
Vocational Education, Educational Strategies, Educational Change, Research Reviews (Publications), Educational Innovation
Written as a synthesis of strategies for effecting change, this document is directed toward developing local vocational-technical programs which are continuously innovative and self-renewing, and with change efforts devoted to improving what the teacher does and how he does it. The literature is reviewed by (1) rationale for planned change, (2) the change process, and (3) alternative strategies for implementation.

72-414 VT
Wallace, Harold R. **Review and Analysis of Instructional Materials for Cooperative Vocational Education** 1972. 30p. (State-of-the-Art Review) ED 062 513 RIE August 1972 MF-$0.65; HC-$3.29
Vocational Education, Cooperative Education, Instructional Materials, Curriculum Evaluation, Research Reviews, Literature Reviews
Three learning situations found in the cooperative program, namely vocational or technical course work, training stations, and the related class, are described and pertinent curriculum materials are reviewed. In addition to content, the reviewer examines quality and usefulness, validity, enrichment materials and instructional aids, and student involvement and participation, according to criteria which he sets forth in the document.

72-415 VT
Wenig, Robert E.; Wolansky, William D. **Review and Synthesis of Literature on Job Training in Industry** 1972. 66p. (State-of-the-Art Review) ED 062 514 RIE August 1972 MF-$0.65; HC-$3.29
Vocational Education, Job Training, School Industry Relationship, Program Evaluation, Manpower Development, On The Job Training
It is imperative that vocational and technical educators study job training programs and policies in industry in order to develop curriculums that will enable students to make a better transition from school to work. The purpose of this paper to gather pertinent information about job training efforts in industry so that vocational and technical educators can make informed decisions aimed at improving job training programs.

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